THE CHEMIST AND DRUGGIST

TELEPHONE NUMBER: 3617 CENTRAL (3 lines).
Established in ENGLAND, 1859

Registered as a Newspaper.
Published Weekly at 42 CANNON STREET, LONDON, E.C. 4.

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Established in AUSTRALASIA, 1885

No. 2,002. Vol. XC. JUNE 8, 1918.

Subscription Rate, 12s. 6d. per annum
Single Copies, 6d. each. Winter and Summer Issues, 1s. each. Post Free.

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OLDFIELD, PATTINSON & CO., MANCHESTER

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TRADE MARK A.D. 1715.

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"Eupepton" Bacteriological Peptone is specially manufactured for use as a nutritive medium, and is employed in most of the large laboratories.

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May, Roberts' Traveller.

4023 CITY. JUNE 8, 1918. LONDON & DUBLIN.

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HAIR CREAM OR FIXATIVE.

NON-GREASY.

2 oz. **3/6** 4 oz. **5/-** 8 oz. **8/-** per dozen.

THIS is a splendid own name line, and allows the pharmacist so good a margin that it pays him to give it prominence, and being a "May, Roberts'" line he can feel confident in recommending its quality.

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REAL
HAIR TONIC

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You will be put to no expense, and practically no trouble; for all you need do is to send us a postcard, postage on which we will refund.

NOTE.—We take this opportunity of thanking numerous correspondents who have written to congratulate us on adopting the Face Value Scheme, under which the retailer now makes 46½ per cent. profit on capital outlay, and nearly 32 per cent. profit on sales.

GENATOSAN LIMITED

(British Purchasers of The Sanatogen Co.)

12 Chenies St., London, W.C.1. Chairman: Lady Mackworth.

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We now Manufacture and are Free to offer

SODIUM SALICYLATE

of superb quality and appearance, and guaranteed physiologically pure, made with our own Salicylic Acid,

IN SUFFICIENT QUANTITY TO MEET ALL DEMANDS.

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Harvey's Embrocation, or Curb Bottle	3	9	34	0
Harvey's Embrocation, or Curb Bottle	7	0	64	0
Harvey's Embrocation, or Curb Bottle	21	0	208	0
Harvey's Aconite Powders ...	2	8	23	0
Harvey's Aconite Powders, Quartos	10	6	92	0
Harvey's Worm and Condition Powders, without Ball... ...	3	0	27	0
Harvey's Worm and Condition Powders, with Ball	3	9	34	0
Harvey's Worm and Condition Powders for Yearlings and Foals	3	0	27	0

	Size and Minimum Retail Price		Minimum Wholesale Price	
	s.	d.	Per doz. s.	d.
Harvey's Red Lotion, Pints ...	1	10	16	0
Harvey's Red Lotion, Imp. Qts.	2	9	25	0
Harvey's Red Lotion, Winchesters	5	6	49	0
Edos, the Tasteless Purge, 5, 6 & 7	0	9	6	0
Harvey's Hair Restoring Ointment	1	6	14	0
Harvey's Physic Balls	0	9	6	0
Harvey's Koppos Powder ...	5	0	40	0
Harvey's Koppos Powder ...	10	0	80	0
Harvey's Thrush Specific ...	1	9	16	0
Harvey's Thrush Specific ...	3	0	28	0
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Harvey's Hoof Ointment ...	6	0	56	0

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EGYPTIAN HENNA SHAMPOO POWDER.

In boxes containing 7 Powders. Superior Quality and Delicately Perfumed,
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PINE & HENNA,
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PINE.
In Envelopes, 7 in box,
7/6 per dozen boxes.

PINE & HENNA.
In Envelopes, 7 in box,
8/9 per dozen boxes.

Customer's name free on 3 dozen boxes or bottles.

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Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
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Hydroquinone
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Lithol (Ichthyol substitute)
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Phenazone
Pyrogallic Acid
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Quinine and Salts
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Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

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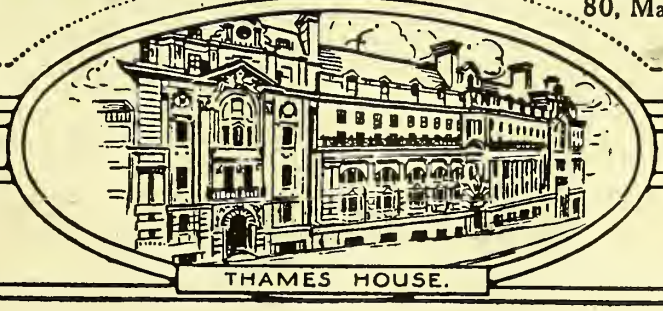

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Perfumes.

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Fine Quality.

SHADES:
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Rachel,
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PERFUMES:
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Sweet Pea,
Carnation

IN EACH
SHADE.

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THE MDME. STE CROIX'S HENNA SHAMPOO POWDER

Leaves the hair bright after use.

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Customer's own Name FREE on 3 dozen boxes.

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IMPERIAL BATH CRYSTALS.
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(ALL SHADES)

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IN POWDER.

Guaranteed Harmless.

50

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A combined Stain and Preservative for Wood.

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Hounslow, Middlesex.

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SUPER QUALITY,

IN GLASS with VULCANITE PISTON and MOUNTS,

2-dr. 18/- ½-oz. 24/- 1-oz. 30/- per doz.

A limited supply of the above entirely in

PEWTER, 12/- doz.

OR :

ENTIRELY OF GLASS

15/- per doz.

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S. MAW, SON & SONS, Ltd.

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Hours of Busines 8.30–5.30. Close at 1 p.m. Saturdays.

More business-larger profits.

THE extensive advertising of MOVOL is creating a demand which grows bigger every day.

Advertisements are appearing in leading National publications and Fashion periodicals, telling housewives that Iron-mould, Ink-stains and Fruit-stains are no longer immovable, and that

TRADE MARK
MOVOL
Regd

is sold by Chemists everywhere. Are you participating in the profits?

Mail a P.C. now for trial stock and display material to

W. EDGE & SONS, Ltd.
BOLTON, LANCS.
(The Drummer Dye People.)

NOTICE
TO THE
TRADE.

ANTICIPATING the wonderful trade that would ensue immediately the properties of TOZANA became known to the public, we were careful before commencing our ADVERTISING CAMPAIGN to build our premises large enough to accommodate the extra-ordinary demand.

WE ARE THEREFORE IN THE HAPPY POSITION TO SUPPLY ALL OUR ESTEEMED CLIENTS WITHOUT THE SLIGHTEST DELAY.

TOZANA
HAIR FOOD

If you are not sharing in the big TOZANA PROFITS write at once to

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DODGE & OLCOTT CO., 20 MARK LANE, LONDON, E.C.

THE "D & O" BRAND

is the "Standard of Quality" for

OILS of BAY, CEDARWOOD, PATCHOULI, PEPPERMINT, SASSAFRAS, ETC.
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METHYLATED SPIRIT
OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.
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SAMUEL THORNLEY, Ltd., BIRMINGHAM

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

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Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRERES

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Unrivalled position for the introduction and handling of Specialities

We Solicit Your Orders

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We are the sole Distributors of GENUINE

BISURATED MAGNESIA

and as we hold large stocks we can

Guarantee Prompt Delivery

of any quantity—both Powder and Tablet Forms.

Continuous advertising has created a demand for Bisurated Magnesia which we are sure you will find it profitable to meet. It is a high-class preparation —well worthy of your recommendation —and we shall appreciate your orders whether received direct or through your wholesaler.

WE GUARANTEE THE SALE

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BISURATED MAGNESIA

1868 to 1918.

"Tis not a lip, or eye, we beauty call,
But the joint force and full result of all." —*Pope.*

Munitions

and other war work play havoc with the skin, thus creating an abnormal demand for remedies. One real remedy is Pure Complexion Wax.

It has a persuasive way with rough skin which makes it a firm favourite once it has had a trial. It is as good for the face, arms and neck as it is for the hands. It protects as well as remedies. It whitens as well as smoothes.

Retail price - - - 1/3 per tin.
Wholesale - - - - 90/- per gross.

CARRIAGE PAID QUANTITY IN GT. BRITAIN & IRELAND, 50/-.

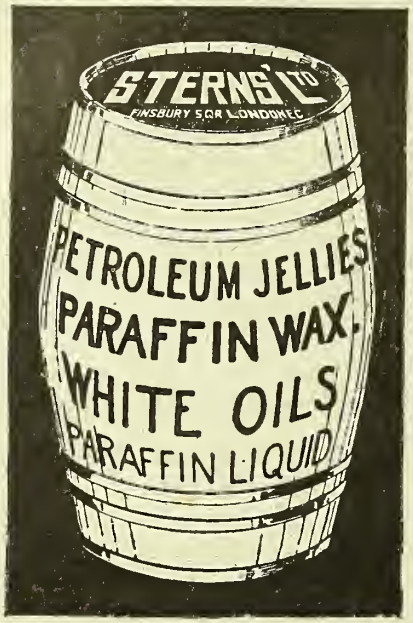
NAME ON NOT LESS THAN 6 DOZEN.

We can give prompt delivery of all reasonable orders at the moment !

We suggest you show Ayrton's Bath Tablets (see page 15, May 18) at the same time as Complexion Wax, they interest the same people and we have good Cards for both !

Ayrton, Saunders & Co. Ltd

Liverpool



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Telephone: 3797 London Wall. (Four Lines.)

Telegrams: "Centumvir, Phone, London." (Two Words only.)

KO-TAL-KO

IS ASKED FOR EVERY DAY BY YOUR CUSTOMERS

Stock "KO-TAL-KO" because

You cannot offer or sell a more effective hair restorer and maintainer—one more natural in its principles and certain in its effects.

Your regular customers will want it from you, and if they do not obtain it at your store will be tempted to go elsewhere.

You will never have your stock of "KO-TAL-KO" tying up your capital uselessly—on the other hand, your repeat orders quickly follow.

My trade terms will suit you, for they allow you to make your proper and deser ved profit, and you are working on sound business all the time.

NOTE TRADE TERMS (P.A.T.A.)—

5/- Size ... ... **48/-** per dozen
12/6 ,, ... **112/6** ,,

J. HART BRITTAIN, Ltd.
(Dept. C.D. I),
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KO-TAL-KO

ESTABLISHED 1860.

A Safe & Indispensable Family Remedy

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
Cleansing
Sparkling
Palatable

As a Morning Tonic **EUSALINE** is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured.

EUSALINE is Retailed at **1/9** per bottle; Wholesale price, **15/-** per dozen. Discount 15% and Carriage Paid on £5 orders.

Can also be had in boxes containing 13 packets, to retail at 1½*d.* per packet, or 2 for 2½*d.*, and **1/3** per box; Wholesale price, **12/-** per gross. Discount, 15%, plus bonus, according to quantity ordered. Carriage Paid on **£5** orders.

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Reid Street, Bridgeton - - GLASGOW.

"MAKES YOUR MOUTH FEEL YOUNG!"
ZOKA
TOOTH CREAM
TRY A 1/- TUBE.

PROTECTED FACE VALUE PRICES OF
7½d. and 1/-.
WITH 100% PROFIT TO YOU.

Particulars from
White Band Mfg. Co., Ltd.
SOUTH CROYDON.

ZOKA

THE BRITISH TOOTH PASTE
WHITE BAND MFG. Co LTD
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PERRO
ALL-BRITISH
NAILSTONE

NAIL SHEEN

is Perro's proclivity; puts it on in a minute in a pleasant manner. This shine *stops* there, and

IT LASTS ALL DAY IN SPITE OF ABLUTIONS.

That's the reason Perro is bought again and again. Best before the war, and best now. Try it!

4/6 PER DOZ. P.A.T.A. EACH **7½d.**

CHRISTY'S
OLD SWAN LANE
LONDON, E.C.4

PROFIT, YES

it's excellent, if you buy a dozen, and Perro's P.A.T.A.'d too, so that your end is safeguarded. Moreover

It is Bigger Still if you take a Bonus Quantity,

which is merely an order for ***3 doz.*** with which you get a *half-dozen free gratis* and for *nothing.*

66⅔% MINIMUM **66⅔%**

Harringtons
(HYGIENIC)
Infant Specialities

Approved by over 3,000 Nurses.

HARRINGTONS SQUARES
In packets of 1 doz.
Retail, **13/9** per Packet. To Chemists, **10/3** Net.
The Ideal Absorbent Diapers for the Nursery. Easily washed.

HARRINGTONS "FACE TOWELS"
In packets of 1 doz.
Retail, **10/6** per Packet. To Chemists, **7/10** Net.
Made of the Harrington Gauze. Delightful in use.

HARRINGTONS "BATH TOWELS"
Retail, **2/9** each. Per doz., **24/-** Net.
So Soft and Cosy. Ideal for "Baby" after its bath.

Widely Advertised to the Public as sold by Chemists.

ATTRACTIVE SHOWCARDS.

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F. NEWBERY & SONS, LTD.
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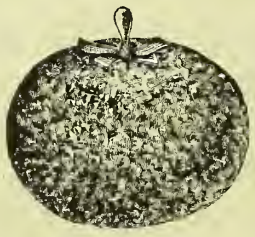

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OF EVERY KIND.

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LIMITED,
Wholesale and Export Manufacturers of Druggists' Sundries and Toilet Accessories,
184 to 190 GOSWELL ROAD
LONDON, E.C. 1.

Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing. Two sizes: 2/-, per dozen 16/-; 4/-, per dozen 32/-

Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

Introductory Offer. Cost £2; Retails 60/-—Profit 20/-.

½ Doz.	Ingram's	Milkweed Cream	Retails 2/-	Price	8/-
½ Doz.	,,	Velveola Souveraine (Face Powder)	,, 2/-	,,	8/-
½ Doz.	,,	Zodenta Paste for the Teeth	,, 1/-	,,	4/-
¼ Doz.	,,	Rouge, Light, Medium, Dark	,, 2/-	,,	4/-
½ Doz.	,,	Perfume, 1 oz. assorted in fancy packages	,, 4/-	,,	16/-
		100 Guest Room Packages free.			£2

Shipped via Parcel Post Prepaid.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (Established 1885).
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Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.

Important to the Trade

Pomeroy Skin Food can be obtained as before—

there never has been any real difficulty.

Several letters—accompanied by orders—have been received from ladies who state they were informed by their Chemists that Pomeroy Skin Food was not now obtainable.

We do not know how this impression has got abroad, but it is quite erroneous.

Pomeroy Skin Food and most other Pomeroy preparations can be obtained from Sundries Houses and direct, as before. Any trifling delay—and when it occurs it is trifling—can be put down to the vastly increased demand and the extra time taken nowadays in transit.

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Clinical Thermometer

The "REPELLO"

Requires no shaking down. *Guaranteed Accurate.*

Good Selling Lines for Chemists

A 30-Second Pushed back in an instant.

NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying Clinical Thermometer on the Market.

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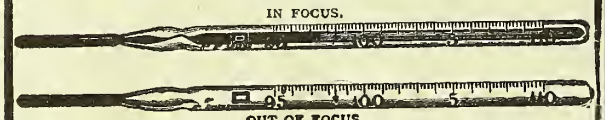

OUT OF FOCUS.

The square mark engraved on lens front locates the Mercury column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND, 1907.
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

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CLINICAL THERMOMETERS.

CONTRACTOR TO H.M. GOVERNMENT.

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GOOD PROFITS. PROTECTED BY P.A.T.A.

Two Gross "PENNY" Packets sold for 30/- show over 50% Profit on purchase price 21/-, less 2½% delivered.

PRICE LIST.

	Advertised Price Per doz.	Minimum Retail. Per doz.	Wholesale Per gross.
"PENNY" PACKETS (12 in box)	**1/6**	**1/3**	**10/6**
Twopenny Packets (12 in box) ...	**2/-**	**2/-**	**19/-**
	Each.	Each.	Per doz.
Boxes, about 1½ lb.	**4d.**	**4d.**	**3/4**
" " 3½ "	**8d.**	**8d.**	**6/8**
" " 7 "	**1/2**	**1/2**	**11/6**
" " 14 "	**2/-**	**2/-**	**20/-**

Four 7-lb. Boxes CARRIAGE PAID for 4/-
Six 7-lb. Boxes CARRIAGE PAID at 11/6 per doz.
Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

		Each.	Each.	Each.
No stock to hold	**Bags** of 28 lb.	**3/6**	**3/6**	**3/-**
	" 56 "	**6/6**	**6/6**	**5/6**
	" 1 cwt.	**12/-**	**12/-**	**10/-**

Carriage Paid.

2½% Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

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Freeman Bros.

WITHAM - HULL.

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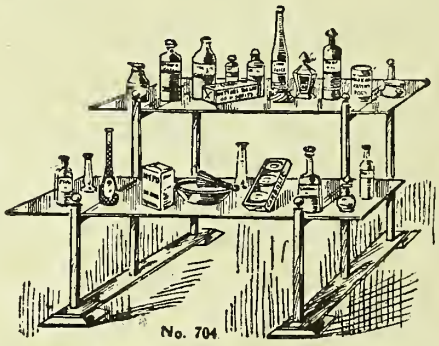
High-Class Work at Moderate Prices

Reliable Staff under Personal Supervision.
Punctuality Guaranteed, & Best Materials.



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A smart Stand that can be trimmed in a few minutes.
In Solid Oak, with two 30" × 9" Plate Glass Shelves. A limited number in Solid Brass.
Write for full particulars and prices of display aids.
New model Metal Signs from stock.

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If you want THE BEST buy
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2/9 size, 24/- doz.
5/- „ 42/- „

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Inquiries invited from Wholesale and Manufacturing Trades.

Government having commandeered Old Premises, please note NEW ADDRESS.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA
(Hewlett's)

Price per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."
The Practitioner.

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TRADE MARK

Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...		per doz.
„ 2.	3¼ „	„ ...	„
„ 3.	6½ „	„ ...	„
„ 4.	12 „	„ ...	„

Introduced and prepared only by

MIST. PEPSINÆ CO. c. BISMUTHO
(Hewlett's)

Price per lb. Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers.
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"SOLAZZI" LIQUORICE JUICE
THE CHEMISTS' BRAND.
'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

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The most Refreshing, Delightful, Exhilarating, Health-giving, Economical, Thirst-quenching Beverage in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

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"Prana" Sparklets.

NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,
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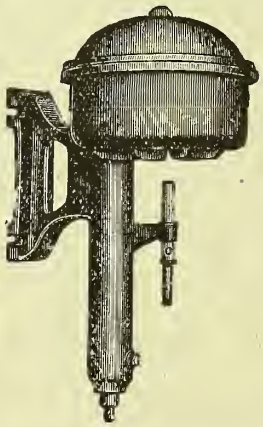
STOKES' AUTOMATIC WATER STILL.

SIMPLICITY ITSELF.

STOKES' GAS-HEATED WATER STILL will distil half to two-thirds of a gallon per hour.

NO LICENCE NECESSARY.



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Most Economical & Efficient Still made.

EASILY FIXED IN A FEW MINUTES.

Only requires Gas and Water Connections.

Carriage Paid British Isles

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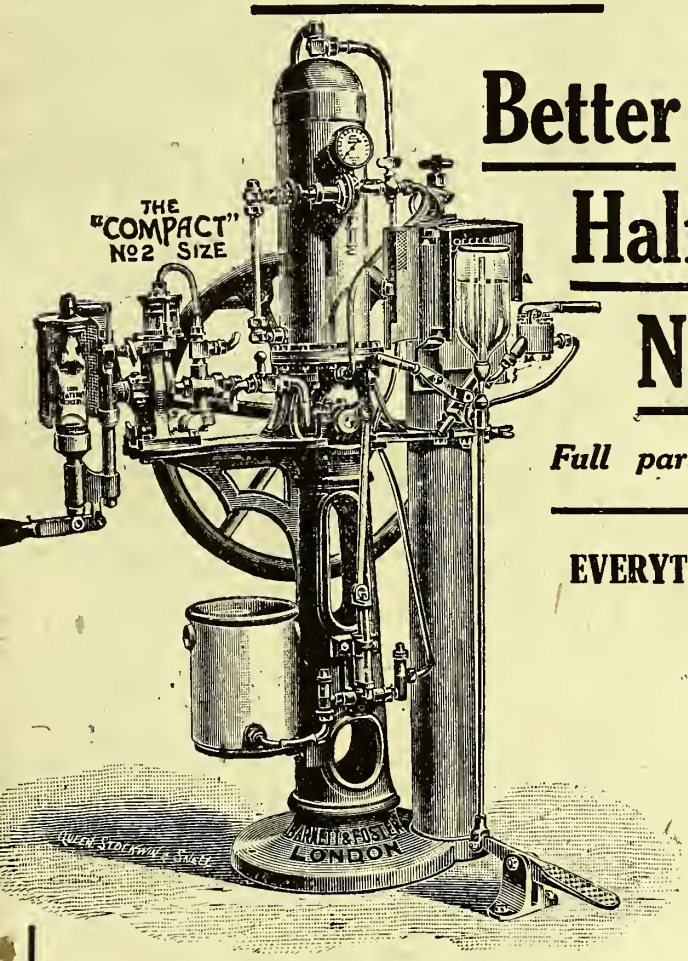
Telephone—Royal 2060. Telegrams—"Sanitas Liverpool."

Fill your Syphons at 120 lbs. Pressure



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We are also makers of the "London" Syphons, and can supply from Stock.

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Re-distilled.

Finest qualities for Druggists, Distillers and Confectioners.

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—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN
6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

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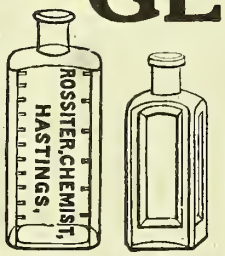

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CLINICAL THERMOMETERS.

Best Quality at Lowest Prices

WRITE FOR PRICE LIST.
40 DIFFERENT KINDS.
Special Quotations to Wholesale Buyers

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MERCURY COLUMN SEEN AT A GLANCE.
Made in Three Rapidities: Ordinary, 1 Minute and ½ Minute.

New Price List of Thermometers for every purpose, post free.

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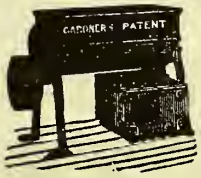
"RAPID" SIFTERS & MIXERS



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FOR HAND OR POWER.
From 55/- to £90.
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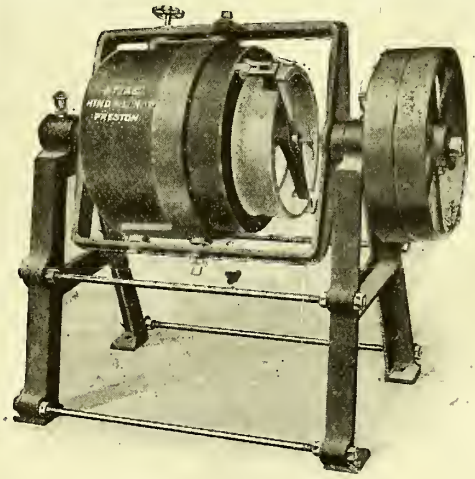
IRON CYLINDERS, PORCELAIN OR QUARTZ-LINED. BATTERIES OF JARS FOR SMALL QUANTITIES. FLINT PEBBLES, PORCELAIN, BRASS, STEEL OR HARDWOOD BALLS. ALSO SPARE PORCELAIN JARS AND CHILLED IRON LINERS SUPPLIED.



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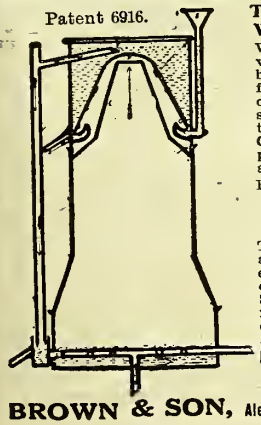
Patent 6916.



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For producing up to
1½ gallons per hour, 9 gallons per hour,
5 " " 15 " "

Please Inquire for Quotation.

The few most important places we give below afford evidence of the quality, efficiency and economy of the Steam Stills: National Physical Laboratory, 2 in use; Imperial College of Science, 8 in use; University of Wales; Pharmaceutical Society; Guy's Hospital Bacteriological Department; and many of the leading Breweries and Drug Houses etc. etc.

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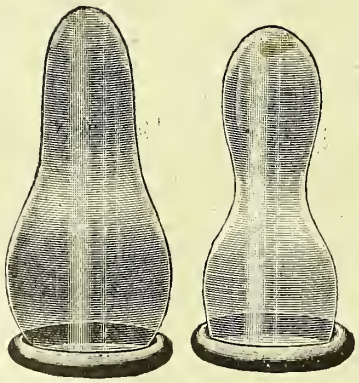

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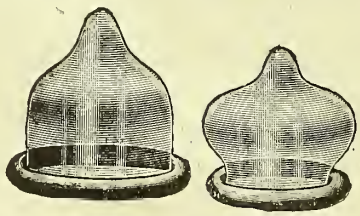

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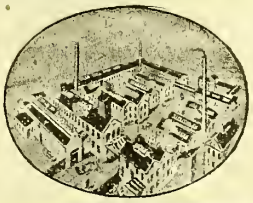

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For Rats, Mice, etc.

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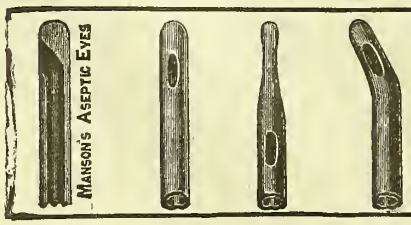

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Made at the 'Wellcome' Chemical Works, England

PRICES AT PRE-WAR LEVEL

Supplied as follow:

Gr. 5 at	**12/0**	*per doz.*	*ovals of 25*
Gr. 5 at	**36/0**	,, ,,	*bottles of 100*
0·5 gm. at	**18/0**	,, ,,	*ovals of 25*
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NOTE.—Each product presents exactly the stated dose of pure Aspirin and is absolutely free from talc or boric acid.

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Exceptionally pure and active. Prepared with the Firm's characteristic care and scientific precision.

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Gr. 1 ,,	**18/0**	,, ,,	*bottles of 100*	*Gr. 5* ,,	**72/0**	,, ,,	*bottles of 100*
0·1 gm. ,,	**8/0**	,, ,,	*ovals of 25*	*0·25 gm.* ,,	**20/0**	,, ,,	*ovals of 25*
0·1 gm. ,,	**24/0**	,, ,,	*bottles of 100*	*0·25 gm.* ,,	**60/0**	,, ,,	*bottles of 100*

0·5 gm. at **36/0** *per doz. ovals of 25*
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PILE CURE

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is a Guaranteed Specific for the Cure and Prevention of

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Retail **3/-** Wholesale **24/-** per doz. *Less Usual Discount.*

SHOWCARDS SUPPLIED.

Chemists may recommend this line with every confidence. We have had a number of years' experience with this PILE CURE,

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Sole Proprietors: **CUPAL, LTD., BLACKBURN.**

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Standardised

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For
Stockbreeders,
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Tuberculins

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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
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Head Office: 42 CANNON STREET, LONDON, E.C.4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: MELBOURNE AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, June 9.

United Arts Volunteer Rifles, "D" Company (Pharmacists), Imperial College Union, South Kensington, London, S.W., at 10 A.M. Company parade (June 11 at 8.30 P.M., N.C.O.s' class; June 12 and 13 at 3 P.M., platoon parades.)

Tuesday, June 11.

Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 P.M. Mr. S. W. Woolley, Editor of THE CHEMIST AND DRUGGIST, on "The Sale of Poisons in Great Britain."

MR. GUY ELLISTON, Belstead, Northwood, Middlesex, Secretary of the British Medical Association, who died on April 13, left property of the value of 22,518*l.* 3*s.* 8*d.*, with net personalty 18,723*l.* 17*s.*

MR. GEORGE STEPHEN WOOLLEY, Ph.C., Fairhill, Kersal, near Manchester, who died on March 12, has left estate valued at 117,248*l.* 13*s.* 2*d.* Probate of the will, dated October 31, 1917, is granted to the Public Trustee, and Edward James Woolley, Ph.C., son. The testator gives 5,000*l.* to his sister, Florence Buckley, household furniture to his brother, and the residue of the property to his son.

European War News.

Import and Export Notices

UNITED KINGDOM.—A Proclamation is published in the "London Gazette" prohibiting the importation into the United Kingdom, except under licence, of the following articles: Motor spirit (including aviation spirit), kerosene (including white spirit), gas oil, fuel oil and distillates from which any of the preceding can be produced; and sugar-cane.

Edible Oils and Fats.

With a view of ensuring the supply of edible oils and fats and oil and fat compounds for the purposes for which they are most needed and of regulating the distribution of these supplies, the Food Controller has made an Order (to be known as "Edible Oils and Fats and Oil and Fat Compounds (Distribution) Order, 1918," and dated May 25, 1918, taking power to give directions as to the distribution, disposal, sale, and use of these oils and fats and compounds. The Order will enable the Food Controller to regulate the supply and distribution of these oils and fats and compounds, from the producer or the maker to the consumer, in accordance with the quantities of the various commodities that may from time to time be available. For the present these commodities will be utilised only for manufacturing purposes in connection with the biscuit-making, confectionery, and baking industries and for fish and potato frying. The Schedule includes the following oils: Coconut, cotton, sesame, ground-nut, kapokseed, linseed, maize, niger-seed, palm-kernel, poppy, rapeseed, and tea oil or butter, soya and sunflower-seed oils. Also neutral lard, oleo oil, premier jus, beef and mutton tallow, beef and mutton stearine, whale oil, and lard.

Copper Sulphate (Amendment) Order.

The Minister of Munitions has issued an amendment of the Copper Sulphate Order as follows:

(1) The maximum prices fixed by the Copper Sulphate Order, 1918, shall not apply to any sale or purchase effected after the date of this Order of copper sulphate guaranteed in writing by the vendor to be specially purified and to contain a specified percentage of copper sulphate, not being less than 99 per cent.

2. The maximum prices at which, after the date of this Order, sales and purchases of finely ground copper sulphate in powder form may be effected shall be those specified in the Copper Sulphate Order, 1918, with the following additions, namely:—

10*s.* per ton in the case of sales and purchases of 2 cwt. or upwards.

¼*d.* per lb. in the case of sales and purchases of 28 lb. and over but less than 2 cwt.

½*d.* per lb. in the case of sales and purchases of 1 lb. and over but less than 28 lb.

Applications in reference to this Order should be addressed to the Director of Acid Supplies, Ministry of Munitions, Department of Explosives Supply, Storey's Gate, S.W. 1, and marked "Copper Sulphate."

Compound Fertilisers.

The Minister of Munitions has issued an Order, which took effect on June 5, by which new maximum prices are fixed for compound fertilisers, the basis price being the aggregate value of the nitrogen, phosphates, and potash contained in the compound fertiliser, after valuation at the unit rates set out in the schedule. The Order supersedes the Orders of October 13 and November 14, 1917, and the new features, which should be noted by compound fertiliser makers and mixers, are:

(1) The new definition of a compound fertiliser.

(2) After July 1, 1918, all compound fertiliser manufacturers must obtain from the Ministry of Munitions a licence to manufacture and to sell. Dealers do not require a licence.

The Order does not apply:

(1) To any sale of compound fertiliser for delivery before July 1, 1918.

(2) To any sale of a quantity not exceeding 14 lb.

(3) To any sale for export from the United Kingdom to any country, except the Channel Islands and the Isle of Man.

(4) Nor to any sale of horticultural fertilisers in any quantities if delivered in packages containing not more than 14 lb. each, specially marked with the maker's name and address and the words "Horticultural Fertiliser."

The prices are fixed on the unit system, the unit being 1 per cent. by weight in a ton of fertiliser of nitrogen (two classes), phosphates, and potash. The Order is printed in full in the "London Gazette" of June 4, and it will doubtless be obtainable in a few days from the Stationery Office as a Statutory Order. All applications in reference to the Order should be addressed to the Director of Acid Supplies, Ministry of Munitions, Department of Explosives Supply, Storey's Gate, Westminster, S.W. 1.

Personalia.

Private Russell Crowther, West Yorkshire Regiment, is officially reported missing. In civil life he was an assistant with Mr. Fred Mallinson, chemist and druggist, Heckmondwike.

Sergeant Frank Shipley Hitchcock, South Staffordshire Regiment, who was posted as "missing" on March 21, is now reported to be a prisoner of war. Prior to enlistment he was apprenticed to Boots, Ltd., at a Sheffield branch.

Captain Sydney H. Gaskell, Royal Air Force, has been made a Chevalier of the Order of the Redeemer by the King of the Hellenes. Captain Gaskell served his apprenticeship in pharmacy with Mr. R. Lord Gifford, Ph.C., Blackburn.

Second-Lieutenant Norrish, R.F.A., who has been missing since March 22, is reported a prisoner of war in Germany. Second-Lieutenant Norrish is the son of Mr. H. Norrish, chemist and druggist, Petty Cury, Cambridge (manager for Boots, Ltd.).

Lieutenant Ernest Sandford Evans, Cheshire Regiment, has been wounded on service, and is in hospital in France. Lieutenant Evans is the youngest son of Mr. William P. Evans, J.P. (Evans Sons Lescher & Webb, Ltd.), President of the Liverpool Chemists' Association.

Captain Charles William Westley, whose marriage is announced (see p. 39), was mobilised as a Territorial on the outbreak of war, and has seen active service in Gallipoli. Captain Westley was apprenticed to Mr. H. F. Cook, chemist and druggist, Cambridge, and was subsequently assistant to Mr. H. Coulson, another Cambridge pharmacist.

Mr. R. V. Atkins, son of Mr. William Atkins, chemist and druggist, Raby Street, Byker, Newcastle-on-Tyne, has been gazetted second-lieutenant in the Durham Light Infantry. Second-Lieutenant Atkins enlisted in March 1915, at the age of seventeen, and has seen service at home and abroad. Till his enlistment he was an apprentice in his father's business.

Mr. A. R. Arrowsmith, 3 Wontner Road, Upper Tooting Park, London, S.W. 17, who has represented the Apollinaris Co., Ltd., for the past twenty-three years, and is also well known from his connection with the Chemists' Assistants' Association, is joining the Army on June 7, having been passed in Grade I. During his absence his ground will be covered by Mr. J. W. Newman, the South Coast representative of the company.

Second-Lieutenant Edward L. B. Thomas, whose marriage is to take place on June 29, enlisted on the outbreak of war, and received his commission in November 1916. Second-Lieutenant Thomas has been on active service in France, Egypt, and the Gallipoli Peninsula. His apprenticeship in pharmacy was served to Mr. J. H. Shepherd, Ph.C., Clevedon, and further experienoe was gained with Steele & Marsh, Bath, and with Amoore & Co., Sloane Street, London, S.W. He passed the Qualifying examination in 1912.

Miscellaneous.

Foreign Trade Department.—On and after June 1 the address of the Foreign Trade Department is Bridgewater House, Cleveland Square, St. James', S.W. 1.

British Saccharin.—The deliveries of British-made saccharin to tablet-makers are, we are informed, improving, but it will take a little longer to satisfy completely the abnormal demand. It is hoped that chemists will soon be able to obtain all the saccharin tablets they desire.

Qualified Opticians.—There are a few vacancies for opticians desirous of enlistment in the Royal Army Medical Corps. These are only open to men of lower category than "A," and applicants should be qualified either under the scheme of the British Optical Association or the Spectacle-makers' Company. Mr. J. H. Sutcliffe, Superintendent of the Army Spectacle Depôt, Clifford's Inn Hall, Fleet Street, London, E.C. 4, will supply further particulars.

Military Tribunals' Decisions.

Since our Last Report the following decisions have been notified:

Bexhill.—Messrs. E. T. Hayball, S. J. Mott, R. W. Robbins, and W. E. Scholefield, chemists and druggists, were conditionally exempted for four months.

Dorking.—On appeal, Mr. H. Dixon, chemist and druggist, was exempted for three months.

Fulham.—Mr. J. S. Baxter, works chemist to the Manbré Saccharine Co., Ltd., was exempted for three months.

Grantham.—Mr. J. Cheshire, chemist and druggist, was exempted for three months

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Spirit Distillers' Licence.

Mr. Stewart asked the Chancellor of the Exchequer on May 30 on what grounds distillers who do not make yeast are asked to pay for a licence to manufacture spirits when the Defence of the Realm Act Regulations prohibits them from distilling.

Mr. Bonar Law replied that under the Spirits Act, 1880, a person remains liable to distillers' licence-duty even though he does not manufacture spirits, so long as he continues to keep his stills and a stock of "feints," or "low wines." The licence, however, obviates the necessity of his taking out a wholesale spirit-dealer's licence—duty 15*l*. 15*s*.—for the sale of spirits of his own manufacture remaining at his distillery, and, under the Finance (1909-10) Act, 1910, if the quantity of spirits manufactured in one year does not exceed 50,000 proof gallons, the duty on the distiller's licence next year is only 10*l*.

Chemists and the Luxury-tax.

Our Parliamentary correspondent states that one of the Sub-Committees of the Select Committee on the Luxury-tax under the Budget has been devoting its attention to the articles vended by chemists and druggists, and on June 3 evidence was tendered by the Pharmaceutical Society and a representative of Boots, Ltd. The point at issue is as to where an article ceases to be a necessary and develops into a luxury, and in regard to this aspect of the question evidence was given to Mr. Davison Dalziel, M.P., the Chairman of the Sub-Committee, and his colleagues. At the same time another phase of the question was ventilated by the representative of Messrs. Truefitt, hairdressers and perfumers, while evidence was also taken from the representative of a firm of brush manufacturers. The Committee is now meeting almost daily, either by Sub-Committee or in full session, and the investigation, so far as the chemists and druggists are concerned, is, it is stated, at an end. There are, however, several other aspects of the question to be investigated, and the main Committee, of which Mr. F. D. Acland, M.P., is Chairman, will meet twice weekly for the purpose of bringing the inquiry to a close at the earliest moment in order that legislation may be introduced before the termination of the Session. As was anticipated, writes our correspondent, the Committee is finding it increasingly difficult to define a luxury. The Chancellor of the Exchequer has decided to embody the luxury-tax proposals in a separate Bill, which will be introduced when the report of the Acland Committee has been received. The flat-rate, originally proposed, is to be abandoned, and slightly more elasticity above a sovereign is to be permitted.

Finance Bill.

The consideration in Committee of the Finance Bill began in the House of Commons on June 3. When Clause 4 was reached, dealing with the reduction and allowance of duty in respect of spirits used in medical preparations or for scientific purposes (see *C. & D.*, May 18, p. 37), the Chancellor of the Exchequer moved in Sub-Section (1) after the word "pence" ["three pence and the additional"] to insert the words "or if the mixture, compound, or preparation is entered in such a manner as to indicate that the strength is not to be tested, by the sum of one pound and sixpence." The object of the amendment, it was explained, is to carry out a promise made in 1906 to make no difference in the schedules with regard to these preparations. The Clause as amended was ordered to stand part of the Bill. Some complaints were made regarding Clause 8, dealing with the increased Customs duties on sugar, that the great industry of the manufacture of aërated waters was interfered with by making it more difficult to obtain sugar. It was pointed out by Mr. Denniss that sugar forms a very important part in the manufacture of aërated waters. Not only are the mineral-water manufacturers taxed upon the sugar, but they are taxed upon the mineral water when it is produced. The proportion that that bears to the cost of the whole article is so great that they feel it is a burden that ought not to be placed upon them except in time of war. In time of war they cheerfully submit in the public interest, but in time of peace the Chancellor of the Exchequer should say that he does not intend to continue this double tax. The Clause was, however, added to the Bill without amendment. In regard to Clause 35 (taken on June 4), dealing with excess profits arising from the sale of trading stock, an amendment providing that the section should not apply in the case of sales of trading stock by executors was negatived, although the Chancellor of the Exchequer has promised to consider the suggestion before the report stage, which is fixed for June 10.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Laboratory Fatality.

On May 30 a fire broke out at the works of Whiffen & Sons, Ltd., manufacturing chemists, Battersea. Although the material damage was confined to one department, Mr. Reginald H. Platts, research chemist, eldest stepson of Mr. W. George Whiffen, F.I.C., a director of the company, was severely burned, and died in St. Thomas's Hospital thirty hours after his admission. Giving evidence at the inquest on June 4, Mr. Whiffen stated that Mr. Platts was engaged at the time in making a solution of sodium in absolute alcohol. The still, which had a capacity of 20 gals., contained about 9 gals. of alcohol, and 11 oz. of sodium would be added, perhaps by ¼ oz. at a time, by being dropped through a pipe 2 ft. long. The still stood about 6 ft. from the ground, and Mr. Platts would stand on a platform 2 ft. high. The vapour-pipe was upright, with a branch that passed out at the right-hand side, and the pipe was covered with a metallic cap, which the chemist would raise to insert the sodium. There would be no firing if the alcohol were sufficiently dry; otherwise it might show a little sparking. The metallic sodium would spark, but would not necessarily set fire to the alcohol. Witness could not say definitely whether the alcohol vapour would take fire if the sodium were dropped in before the alcohol was sufficiently dry, but he thought it was too far from the air. The operation had been going on for three hours, so he thought the alcohol was absolutely dry. Witness was with the deceased two minutes before the accident. There were no naked flames in the laboratory at all, and Mr. Platts had completed the operation of adding the sodium. Hearing that the chemist had been burned, witness examined his clothes to see whether they were dry, and he found that they were. Deceased said, "It was the vapour," and witness agreed with him. The still was not damaged; only the woodwork was charred. The insulation of the electric wires had been burned off. They had not been nearer than 4 ft. or 5 ft. from the vapour-pipe. The fire might have been caused by a defective electric wire. The jury returned a verdict of "Accidental death, caused by a fire occurring in a laboratory from some cause unknown."—Mr. Platts, who was a Ph.D. of Basle University, was a chemist of great promise, and his untimely loss is deeply lamented. He leaves a widow and three children. The funeral took place at Putney Vale Cemetery on June 5, and was largely attended by relatives and by members of the staff of Whiffen & Sons, Ltd.

Birmingham.

The estate of the late Dr. J. P. Bradley, a well-known Moseley practitioner, has been valued at 5,159*l*.

It is suggested that a pharmaceutical garden-party might be held at the Edgbaston Botanical Gardens during the present month.

Birmingham Corporation has bought the Rednal estate of the late Mr. A. S. Johnstone, metallurgical chemist, who died last year, for 3,000*l*.

Alderman F. C. Clayton, Ph.C., presided recently at the annual meeting of the trustees of the Evans Cottage Homes, an institution that receives gentlewomen in reduced circumstances.

Lieutenant W. T. Grice, C.I.E., chairman of Smith, Stanistreet & Co., Ltd., referred to in last week's *C. & D.* (p. 38), learnt his pharmacy, etc., at P. Harris & Co.'s establishment in Birmingham, and was contemporaneous with quite a number of young men who afterwards made their mark in various spheres.

Inquiries have been made concerning the Midland Laboratory Guild, Ltd., King Alfred's Place. The entrance-fee is 100*l*., and the minimum annual subscription 100*l*. It is reported that a consultative laboratory is to be established for the benefit of local trades requiring chemical and physical expert advice. The City Gas Department has launched out also, and offers similar services, as set forth in an illustrated pamphlet just issued. A physical testing laboratory has also been established in rooms at the Queen's College, Paradise Street.

Liverpool.

American proprietaries and cooling drinks are in great demand here.

A Lime Street pharmacist had recently over fifty customers in one day for saccharin tablets, and he had none in stock. Pharmaceutical opinion, to put it mildly, is not over favourable to the Government control of saccharin.

The Belgian Government has inaugurated this week at the Royal Institution an exhibition of Congo photographs, showing (1) what the Belgian Army has done for civilisation in Africa, and (2) the economic resources of the Congo.

Pharmacists have received from the Army recruiting authority a form to be filled up with particulars concerning assistants, etc., over sixteen years of age. In a typical case the return had to be limited to a statement that the only "assistant" was a shop-boy aged fourteen.

The staff of Ayrton, Saunders & Co., Ltd., have contributed 50*l*., the proceeds of their recent entertainment, to the City of Liverpool Cadet Battalion, and 200 shillings to the Lord Mayor's Million Shillings Fund. They are also running a "Prisoners' War Fund" for the benefit of members of the staff captured by the enemy.

Sheffield.

Inquiries on N.H.I. matters should now be addressed to 121 Norfolk Street (the new offices of the Insurance Committee).

It is not generally known that Mr. E. Preston, Ph.C., the Secretary of the local Society, includes among his occupations a partnership in the South Yorkshire Scientific Glass Co.

Mr. C. A. Garduer, chemist and druggist (Clark & Co.), has undertaken Government work which is taking up the greater part of his time. Some years ago Mr. John Humphrey managed the business of Clark & Co.

The local Society has just finished a very successful session, and is still "going strong." Up to the present there are fourteen nominations for the seats of the six retiring Councillors, which points to a healthy progressive spirit.

The Special Committee appointed by the Insurance Committee to review the exemptions of pharmacists from military service includes Councillor A. Neal (Chairman), a solicitor well versed in pharmacy law, and Mr. J. T. Appleton, chemist and druggist.

It has been arranged that chemists of the new military age, on receiving notice to be medically examined, shall forward the notice to the Secretary of the Pharmaceutical Committee, and that on receiving his signature the notice will be cancelled by the National Service Representative.

Miscellaneous.

CONTRACTING AVOIDED.—Tottenham Urban District Council has decided, owing to market difficulties, to authorise the medical officer to purchase such supplies of disinfectants as may be required.

BRITISH SCIENTIFIC PRODUCTS EXHIBITION.—Under the auspices of the British Science Guild, an exhibition is to be held at King's College, London, W.C., opening on a date in August to be announced, of products of scientific and industrial interest obtained, prior to the war, chiefly from enemy countries, but now made in the United Kingdom. A preliminary leaflet has been issued setting forth the scope of the exhibition, in the course of which demonstrations and lectures will take place.

IN THE COURTS.—At the Central Criminal Court, London, on May 31, Stanislaus Simitch, importer and commission-agent, was sentenced to nine months' imprisonment in the second division for obtaining by false pretences a cheque for 2,500*l*. from William Duckworth (trading as Duckworth & Co.), essential-oil and chemical manufacturer, Lime Street, London, E.C., and Manchester, in circumstances already reported (*C. & D.*, May 25, p. 36).—William Ernest Jones, hairdresser, Swansea, was recently sentenced to six months' imprisonment on each of two charges under the Defence of the Realm Act of attempting unlawfully to supply drugs intended to render a person temporarily unfit for military service.

ALLEGED NOXIOUS DRUGS.—At Lancaster Assizes on June 5, Eliz. Catton (40), *alias* Madam Fern, herbalist and palmist, was indicted for supplying noxious drugs to pregnant women at Morecambe last August. Dr. Collingwood Williams, analyst for Lancashire County, said the bottle of medicine analysed contained a solution of one-fifth of the strength of the B.P. infusion of senna. A pill he analysed contained aloes and rhubarb, 2½ gr. starch, and cayenne.—By Mr. Justice Roche: Aloes and other things given to pregnant women are noxious. Senna is no use in procuring abortion. No drugs can be relied upon to produce abortion unless they are given in such quantities as seriously to endanger life. Prisoner, in the witness-box, said her husband used to be employed by a Birmingham herbalist and made up this medicine from herbs: broom, parsley-piert, yarrow, buchu-leaves, raspberry-leaves, senna-pods. The cost was 8*d*. or 9*d*., and they sold the bottle for 2*s*. 6*d*. She knew it would not procure abortion. The defence was that the drugs were perfectly harmless. Prisoner was found not guilty and discharged.

Irish News.

Pharmaceutical Society of Ireland.

The following are the latest dates for making application for admission to the July examinations: Thursday, June 20, for the Preliminary examination; Tuesday, June 25, for the Registered Druggist examination; Wednesday, June 26, for the Pharmaceutical Licence examination; Monday, July 1, for the Pharmaceutical Assistant examination. Applications should be lodged with the Registrar by 11 A.M. on the respective dates.

Brevities.

It being pointed out at Kildare County Council that Sir R. Cooper had expressed himself in favour of conscription for Ireland, the Council decided to procure Irish-made sheep-dip in future.

Owing to train curtailment, business to some extent has been cut off from city chemists in Ireland. The new railway fares with the addition of the 50 per cent. threaten to restrict country business. However, chemists in the country towns will enjoy a boom, but seaside chemists are very badly hit.

Mr. R. F. McCartney, Ph.C., Chairman of Coleraine Urban Council, presided on June 1 at a ceremony in Coleraine at which Captain C. E. Stronge, D.L., director of the local recruiting area, presented about 300 certificates of honour to relatives of soldiers who have served or are serving with the Colours.

An agreement regarding Sunday hours has been arrived at between Mr. A. W. Young, Ph.C., Sligo, and the local Assistants' Association, which is affiliated with the Sligo Trades and Labour Council. All establishments in the town are now closed on Sundays, except between 11.30 A.M. and 1.30 P.M., and 7.30 P.M. to 9 P.M.

The Local Government Board has demurred to the increase of salary granted by the Clonmel Board of Guardians to their compounder, Mr. Harvey, on the ground that he was only a part-time officer, and that 70*l.* a year was reasonable remuneration for him. The Local Government Board was asked to reconsider its decision.

Sir Stanley Harrington, of Harrington & Son, Patrick Street, Cork, was last week attacked by a number of men associated with a local strike. He bought a newspaper at a picketed shop and was called on by the strikers to give up the purchase. He refused, and was thereupon attacked with stones and filth thrown at him. The police dispersed the mob, but no arrests were made.

The Local Government Board has refused to sanction the contract for medical and surgical appliances entered into by the Manorhamilton Board of Guardians. The Clerk explained that it had reference to the acceptance of a tender at ¼ per cent. higher than that offered by a Belfast firm, on the grounds that the latter had not given satisfaction in the past. Half the period of the contract was now almost expired, and they had actually got supplies from the firm whose contract the Local Government Board now refuses to sanction. The matter was again referred to the Local Government Board.

Scottish News.

Edinburgh.

The *locum* and the photographic film are practically unobtainable. One hears of a *locum* who has six anxious inquirers for his services during the same week.

A meeting of the Edinburgh and East of Scotland Section of the British Association of Chemists (Provisional Society) at Edinburgh University, held on May 28, adopted, by seventy votes to five, the proposals of the Institute of Chemistry; and negatived, by fifty-three votes to twelve, a proposal to continue the existence of a separate organisation.

Glasgow.

Bacteriological and other research work on the diseases of sheep is to be carried out at the Glasgow Veterinary College under the supervision of Professor S. H. Gaiger, who has recently returned after carrying out an investigation of this kind in South America.

A veterinary correspondent of the "Glasgow Herald" points out that there are two distinct types of abortion in cattle—infectious and non-infectious—and suggests that the Board of Agriculture and Fisheries make a "Disinfecting Order" to check the spread of preventible disease.

General Medical Council.

More Penal Cases.

Serious charges against two doctors for contravening the Military Service Acts were before the Council at its meeting on May 30. Both had been convicted and had served terms of imprisonment. George Harry Bishop, M.B., Leman Street, Aldgate, was charged with having given a man thyroid gland to produce an appearance of heart-disease. It was urged, on behalf of the doctor, that he often used the drug, and that in this instance proper doses were given in order to remove obesity. There was no question of gain, and he was held in the highest respect not only by his patients, but by prominent professional brethren. Mr. Bishop did not appear, his twelve-months' term of imprisonment not having expired. When he comes out he will find his name no longer on the register, the Council having decreed that it must be erased. That penalty was not deemed necessary in the case of John Henderson Bell, M.S., M.D., Beaufort Mansions, Chelsea. Although Dr. Bell had been convicted at two London Police-courts, and again at the Quarter Sessions (to which he appealed), of attempting to produce disease in two soldiers, and had been sentenced to six months' imprisonment in the second division, the accusations were found to be baseless from a medical point of view.

The remaining penal case occupied a couple of hours on Thursday, the Council sitting till 6.30, and was resumed on Friday at two o'clock, the Council adjourning after it was finished, shortly after four. Frederick Cecil Robinson, M.R.C.S., L.R.C.P., The Chestnuts, Carshalton Road, Sutton, was charged with writing letters and paying attentions to a married woman, which were improper under any circumstances, but especially in view of his professional relations with her. After a long hearing, Dr. Robinson was adjudged guilty and his name struck off.

Committee Reports.

The academic business was run through on Friday, when the Council met at noon, half-a-dozen reports being disposed of in half an hour. There was no discussion, the few recommendations being of a formal nature. The Dental Committee reported that the suggested employment of dental nurses to assist in the school clinics at Birmingham would be for minor treatment only under the direction of a dental surgeon; their position would be analogous to that of a hospital nurse. Mr. Tomes, Chairman of the Dental Committee, had reassured the Birmingham authorities that their surgeons would therefore be doing nothing "infamous" in thus employing nurses, and the Council endorsed his action. The application for registration of Mr. P. M. Picotte, D.D.S., L.C.D.S., of Quebec, the only French-Canadian dental surgeon in the Service, was acceded to. Sir John Moore moved the adoption of the report of the Pharmacopœia Committee. The sale of the B.P. had been exceedingly satisfactory. Reference was made to the alterations in regard to official fats and oils, and to the letter of condolence that had been sent to the Philadelphia College of Pharmacy expressing sympathy on the death of their Dean, the famous pharmacist, Dr. Remington. It would, said Sir John Moore, go a long way towards gratifying their kinsfolk and promoting good will.

Gazette.

Partnership Dissolved.

Brown, N. S., and Lowe, W. W., 34 Bermondsey Street, S.E., manufacturers and vendors of horse and cattle medicines, under the style of the Goodwood Co.

Under the auspices of the Osaka Chamber of Commerce, a Chemical and Industrial Exposition is being held at Tennoji Park. It will remain open until June 14.

Artificial Resin.—The "Neue Freie Presse" announces the formation of a company to acquire the rights of the inventors of a process for the manufacture of artificial resin.

Premium for Eucalyptus-trees.—The Brazilian Government has issued a Decree, published in the "Diario Official" (Rio de Janeiro) of March 8, providing for the award of premiums to planters of eucalyptus and other trees of recognised value for oil-extraction, who make new plantations within a period of three years. The amount of the premium to be granted is 150 reis per tree of not less than eighteen months' growth, which has attained normal development, provided that the number of trees is not less than 500.

Legal Reports.

Warranty Case.—At Loughborough Police Court on May 29, John Richardson & Co. (Leicester), Ltd., wholesale druggists, Leicester, were summoned, under the Sale of Food and Drugs Act, with selling sweet spirit of nitre to Mr. B. R. Lewis, chemist and druggist, Quorn, with a false written warranty guaranteeing the spirit to be according to the British Pharmacopœia, whereas it was deficient to the extent of 34 per cent. in ethyl nitrite. The case arose out of a summons against Mr. Lewis, who proved that the sample of sweet nitre which was sold and found deficient was taken from a bottle supplied by defendants eight days before and had not been opened until the sale was made. Mr. W. Simpson, for defendants, admitted that someone in their service had been at fault, although it had not been possible to trace the matter to its source. The defendants accepted full responsibility and referred to the fact that the staff is, owing to the war, short-handed and less experienced. There was no suggestion that the fault was intentional. A fine of 5*l.* was imposed, with 10*l.* costs.

Trivalin, Ltd.—In the Chancery Division, on June 4, Mr. Justice Astbury heard a petition by Trivalin, Ltd., for the sanction of the Court to a scheme of arrangement which provided for the payment or satisfaction of the whole of its debts. Mr. Maugham, K.C., stated that the company was formed to carry on a business in Trivalin, which was a German substitute for cocaine, and the company acquired the English patents from the German owners. It carried on business at a considerable loss. The nominal capital was 10,000*l.*, of which only a portion had been issued, and 12*s.* 6*d.* had been called up and paid on all the issued shares except those belonging to enemy shareholders, on which it had not been paid. As the company carried on at a loss something had to be done—either to wind up or to make some arrangement. The latter alternative commended itself to the creditors, and the scheme consisted of a division of the cash assets between the creditors *pro tanto*, and for the balance they would be given shares in a new company. The sums due to the German creditors would be retained in hand. According to the decision of the Court they could not vote, but they would be treated in the same way as the English creditors. The English creditors included the Saccharin Corporation, who were the largest shareholders. His Lordship sanctioned the scheme, and ordered that nothing should be paid to the German creditors without the direction of the competent authority.

Irish Pharmacy Acts.—At Tomgraney (co. Clare) Petty Sessions on May 29, Mr. Michael Christopher Moroney, registered druggist, Scariff, was summoned by the Pharmaceutical Society of Ireland on a charge of having on February 21 kept open shop for dispensing or compounding medical prescriptions, contrary to the Pharmacy Act (Ireland), 1875. A second summons charged him with the commission of a similar offence on February 22. Mr. Meeke, for plaintiffs, explained the nature of the proceedings, and said that, subject to the approval of the Magistrates, it had been arranged between him and the solicitor for the defendant that a penalty of 5*l.* should be imposed on one of the summonses, with a nominal sum for costs, and that the other summons should be withdrawn. Though this course had been taken, it should be understood that the defendant had no right whatever to compound or dispense prescriptions, and that his qualification as a registered druggist only entitled him to deal in poisons. The Magistrates accepted this arrangement, and imposed a fine of 5*l.*, with 5*s.* costs.—Mr. Edward Rodgers, Scariff, and his son Alfred were charged in five summonses with offences against the Pharmacy Acts arising out of the sale of Cooper's sheep-dipping powder to Mr. Patrick Butler, the inspector of the Pharmaceutical Society. Mr. Meeke said he was prepared to accept 10*l.* 10*s.* in satisfaction of all the fines and penalties to which the defendants were liable if that sum was paid immediately. The Bench expressed the opinion that the offer was a "sporting" one, and advised Mr. Rodgers to accept it. He, however, declined to do so. The Magistrates imposed four fines of 5*l.* each and two of 2*s.* 6*d.* each, making in all 20*l.* 5*s.*, with 30*s.* costs. Mr. Meeke said his clients had no desire to be oppressive, and if his offer was complied with within the next seven days the 10*l.* 10*s.* would be accepted in satisfaction of the fines and costs that had been imposed.—Mrs. Margaret Hynes, shopkeeper, Scariff, who pleaded guilty to breaches of the Pharmacy Acts arising out of the sale of Cooper's sheep-dipping powder, was fined 5*l.* on one summons and 2*s.* 6*d.* on another, with 10*s.* costs.

What Constitutes a Sale?—An appeal brought by Mr. Patrick Butler, inspector, of the Pharmaceutical Society of Ireland, against a decision of the Magistrates at the Tipperary Petty Sessions on March 21 (*C. & D.*, March 30, p. 37), came before the King's Bench Division, Dublin, on May 31, on a case stated by Messrs. W. H. M. Bennett, Daniel Kelly, James O'Neill, P. M. Coffey, and John Bourke, Justices of the Peace, who had dismissed on the merits a summons brought, on the complaint of Inspector Butler, against Mr. Michael O'Brien, charging him with having on October 2, 1917, at the shop of Mrs. Mary Murphy, James Street, Tipperary, sold to the inspector arsenic contained in and forming part of Cooper's sheep-dipping powder, contrary to the Pharmacy Act (Ireland), 1875. The Magistrates had decided against the Pharmaceutical Society on the ground that the evidence did not disclose a sale by the defendant, but showed that defendant sent out for the dip to a neighbouring shop (Kissane's Pharmacy), and that the transaction was between Inspector Butler and the pharmacy where the sheep-dip was purchased. The King's Bench Division, on the hearing of the appeal, was constituted by Mr. Justice Gibson, Mr. Justice Dodd, and Mr. Justice Moore. Mr. Hanna, K.C., and Mr. Overend (instructed by Mr. W. Campbell Meeke, of A. & J. Robinson) appeared on behalf of Inspector Butler, the appellant; and Mr. Kenny represented Mr. O'Brien, the respondent. It was contended on behalf of the appellant that there were two sales—one by Kissane's Pharmacy to the defendant or to his employer, Mrs. Murphy, and the second by the defendant to the complainant, Inspector Butler. It was urged that on the ground of public policy there should be a conviction, having regard to the restrictions laid down in the Poisons and Pharmacy Act, which were not complied with in this case: and it was submitted that if transactions such as that proved in this case were permitted it would create a gap which would make these restrictions a nullity and allow an unknown man to obtain dangerous poisons without signature and without introduction. The Court dismissed the appeal and affirmed the Magistrates' decision, with costs, holding that there was no real sale by the defendant within the meaning of the Statute, and that there was sufficient evidence to justify the conclusion at which the Magistrates had arrived.

Delivery of Heliotropin.—The case of Geo. Lueders & Co. *v.* Cooke, Tweedale & Lindsay, Ltd., came before the Court of Appeal, composed of the Master of the Rolls and Lords Justices Scrutton and Duke, on June 4, upon the appeal of the defendants, Cooke, Tweedale & Co., Manchester, from a judgment of Mr. Justice Bailhache in an action brought against them by the plaintiffs, who carry on business in New York, for damages for non-delivery of goods under a contract of sale (see *C. & D.*, December 8, 1917, p. 37). Mr. Leslie Scott, K.C., in support of the appeal, said that both parties were merchants dealing in chemical goods used in the manufacture of soaps, perfumery, etc. In October 1915 contracts were made between them for the sale to the plaintiffs of 25 cwt. of heliotropin at 8*s.* 9*d.*, 9*s.*, and 9*s.* 6*d.* per lb. c.i.f. New York. The sellers (the defendants) thereupon made application to the War Trade Department for a licence to export, which, however, was not in fact necessary, because heliotropin was not on the list of goods the export of which had been prohibited in accordance with the powers conferred by the Customs Act. However, the War Trade Department refused the licence, under a misapprehension that it was a substance which required a licence to be exported. After this the defendants wrote to say that they were very sorry but the licence to export had been refused. Plaintiffs therefore brought the present action. The only issue tried was one which turned on Section 3 of the Court of Emergency Powers Act, 1917. Mr. Justice Bailhache said that although a licence to export was not in fact necessary, he would have held that a *bona-fide* application for such a licence would or might have evoked a direction or advice within the meaning of the section, but that this application was made in order to get a refusal, and in order that the sellers might evade their legal obligations under the contract in face of a rising market. He submitted that the sellers were entitled to the protection of the Act. Mr. E. A. Harvey (with him Mr. Holman Gregory, K.C.), representing the respondents, said that although it was the point on the appeal his clients had given a cross-notice of appeal to the effect that they did not accept the learned Judge's construction of the section, and that even if it were an honest application that would not protect the defendants. Without calling upon counsel for the respondents their Lordships dismissed the appeal, with costs, holding that the defendants were not protected by Section 3 of the Act of 1917 from performing their obligations under the contracts. Their Lordships, however, held that there was no foundation for the suggestion that the application for leave to export was not made *bona fide*. Mr. Holman Gregory said in the circumstances the plaintiffs would not proceed with their cross-appeal.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

Radium and Chemical Co., Ltd. (P.C.).—Capital 30,000*l.* Objects: To carry on business as manufacturers of radium and by-products, chemists, druggists, manufacturers of oils, colours, proprietary articles, and electrical, chemical, photographic, and scientific apparatus and materials, etc. R.O., 10 Moorgate Street, London, E.C.

De Vilbiss Co., Ltd. (P.C.).—Capital 5,000*l.* Objects: To carry on business as manufacturers of and dealers in atomisers, medical sprays, china, glass, druggists' sundries, medical, surgical, and scientific instruments and appliances, paint-spraying apparatus, air-compressors, ventilating-fans, motors, screw-machine products, etc. R.O., 71 Newman Street, London, W. 1.

F. G. Garton & Co., Ltd. (P.C.).—Capital 2,000*l.* Objects: To carry on business of manufacturers of and dealers in sauces, condiments, pickles, spices, preserves, sweets, mineral waters, and groceries, culinary and medicinal preparations, brewers, distillers, licensed victuallers, wine and spirit merchants, chemists, druggists, confectioners, etc. Solicitors: Pinsent & Co., 6 Bennett's Hill, Birmingham.

Osmosis Co., Ltd. (P.C.).—Capital 20,000*l.* Objects: To take from the Board of Trade and the Public Trustee, in pursuance of the Patents, Designs, and Trade-marks (Temporary Rules) Act, 1914, and the Trading with the Enemy Act, 1915, licences in respect of Patent No. 10,024 of 1907, and about forty other patents (undescribed). R.O., 36 Victoria Street, London, S.W.

British Scientific Instrument Research Association.—Registered as a company limited by guarantee, not formed for profit, with 100 members, each liable for 5*l.* in the event of winding-up. Objects: To promote research and other scientific work in connection with the British optical and scientific instrument trade, etc. Pending the election of the first Council the management is vested in the subscribers to the memorandum of association, viz.: G. Beck, 68 Cornhill, E.C. 3; M. W. Zambra, 38 Holborn Viaduct, E.C. 1; H. J. S. Stobart, Glass Works, Smethwick; W. R. Ottway, Orion Works, Ealing, W. 5; A. Hughes, 59 Fenchurch Street, E.C. 3; G. W. Heath, New Eltham, S.E. 9; F. C. Watts, 123 Camberwell Road, S.E. 5; R. S. Whipple (Cambridge Scientific Instrument Co.); J. Hasselkus, 3 North Side, Clapham Common, S.W. 4. R.O., 6 Moorgate Street, London, E.C.

Stevenson & Howell, Ltd.—The directors have declared a dividend of 15 per cent. (3*s.* per share), free of tax, on ordinary shares for half-year, making 20 per cent. for the year 1917; 2,000*l.* has been placed to reserve, making 43,000*l.*; and 54,689*l.* is carried forward.

Brunner Mond & Co., Ltd.—The directors have declared on the ordinary shares a dividend for the half-year ended March 31 last at the rate of 12 per cent. per annum, less tax, making 11 per cent. on the new capital for the year. They place 250,000*l.* to reserve and carry forward 119,000*l.* Since the interim dividend was paid shareholders have had three shares added to every two held.

Virol, Ltd.—The report for the year ended March 31, 1918, states that the gross profit was 96,818*l.*, against 101,817*l.* the previous year. After deducting debenture interest, the net profit, including the amount brought forward, is 38,273*l.* The directors recommend a dividend at the rate of 12½ per cent. for the year, to place 7,500*l.* to reserve (making 50,000*l.*), and to carry forward 22,772*l.*

Companies which May be Wound Up.—The undermentioned companies will, unless cause is shown to the contrary, be struck off the register and the companies dissolved three months after May 24: Bioptics, Ltd.; Emulsit, Ltd.; Lady Blount's Medical Aid Society, Ltd.; Lancashire Drug Co., Ltd. (registered September 20, 1910); London and Hull Soap Works, Ltd.; Lynrock Natural Mineral Water Syndicate, Ltd.; Plowden's Drug Stores, Ltd.; Pontypridd Herbal Brewery Co., Ltd. (registered May 28, 1909); Standard Kieselguhr Co., Ltd.; Turpentine, Ltd.; and Vidal Dyes Syndicate, Ltd.

The Bayer Co.—The annual report of the Farbenfabriken vorm. Friedr. Bayer & Co. in Leverkusen for 1917 shows a total profit of M.31,084,370, against M.26,760,404 in the preceding year. The shareholders will receive 20 per cent. dividend (20 per cent. and 8 per cent. bonus), M.5 mill. are being transferred to reserve, M.2 mill. have been allocated to a fund in aid of invalided soldiers, and M.1 mill. as a reserve for welfare purposes. Besides, one million marks have been transferred to a new fund called "Wages for employés during holidays." A balance of M.3,220,370 is carried forward to next year.

Personalities.

Mr. R. C. Walshaw, chemist and druggist, President of the Huddersfield Chamber of Trade and an ex-President of the Huddersfield and District Chemists' Association, was among those present at the reception at the Town Hall held during the recent Royal visit, and was presented to their Majesties.

Mr. W. L. Currie, the first Councillor resident in Scotland to be elected President of the Pharmaceutical Society, is a native of Blairgowrie. He passed the Minor in 1880, and shortly after became assistant to Mr. James Purdie, 223 Byres Road, Dowanhill, Glasgow, whose business he ultimately acquired. He was first President of the Glasgow Pharmaceutical Society in 1892, and retired from the Presidency in 1905, when he was presented with a testimonial by the chemists of the West of Scotland in acknowledgment of his services. He was co-opted to a seat on the pharmaceutical Council in 1903 on the resignation of Mr. A. L. Savory. He was Vice-President in 1909-11. He was Chairman of the Federation of Local Pharmaceutical Associations, which died of inanition in 1909.

Mr. Peter Wyatt Squire, Ph.C., F.C.S., F.L.S. (Squire & Sons, Ltd.), has received the honour of knighthood "for services rendered as chemist for fifty years to the Royal Family." It was shortly after he became a pharmaceutical chemist that Mr. Squire became associated with his father, and was gazetted jointly with him on December 31, 1867, to "the place and quality of Chemist and Druggist upon the Establishment in Ordinary to Her Majesty Queen Victoria." This position the late Peter Squire had held from the Queen's Accession in 1837, and when he retired in 1877 his son, Albert Herbert Squire, also received the appointment, and since his death Mr. P. W. Squire has been the sole Chemist and Druggist upon the Establishment in Ordinary.—Among other recipients of Birthday Honours is Colonel Edward Allen Brotherton (Millman, Brotherton & Co., Ltd., manufacturing chemists, Leeds), who is to receive a baronetcy for public services in the following capacities: Mayor of Wakefield, 1902-3; Lord Mayor of Leeds, 1913-14; and as Hon. Colonel for raising and equipping at his own expense the 15th West Yorkshire Regiment.—Mr. Harry Baldwin, M.R.C.S., Dental Surgeon to the King, is to receive a knighthood; and Mr. Charles Henry Burge, Mayor of Kingston 1912 to 1917, late Departmental Principal of the Government Laboratory, is also to receive the honour of knighthood.

Business Notes.

By Jay Mack.

Syphon Check-books.

Jewsbury & Brown's new syphon check-books have been designed to get over the carelessness which is inborn and inbred in all women in England more or less. The figure of the sentence "6*d.* deposit is charged to ensure return" is printed in very large type and cannot fail to attract attention. When the fact that syphons are worth money can be impressed upon householders there will be less difficulty in obtaining the return of syphons.

Syphon-cases.

Cases to hold six syphons will be a further safeguard in houses where two or three syphons are sent. With a decent little case the customer will take six syphons, and the box will be used for storing them. Syphons will then not be given quite so often to ragmen. And lastly, where retailers are short of men or boys, cases of six are a better size and weight for girls to handle.

A Use for Boxes.

Here's an idea for drug-houses. Save all the wood boxes which come with Scott's, Horlick's, Angier's, California Figs, etc. Have them hinged, repainted outside, padded inside with permanent carton divisions; handled, when big, each end; cross-strap outside lid. The boxes thus adapted would save waste on cartons, and give decent boxes for motor and passenger-train traffic.

The Education Bill.

If the Education Bill becomes law the effect on business will open the eyes of retailers, who at present are taking little notice in the matter. If masters neglect their 'prentices or shop-girls, and do not teach them the technical part of the craft, they deserve to lose the services of these assistants for several hours a day. But if they really teach and adopt postal or other tuition, and can prove that they do so to the local authority, then chemists' apprentices ought to be exempted from attendance at continuation classes.

Births.

HANBURY.—At Foxbury, Woldingham, on June 2, the wife of Reginald Janson Hanbury, M.R.C.S., L.R.C.P., of a son (William Janson).

RITCHIE.—At 200 High Street, Montrose, on May 30, the wife of A. Wemyss Ritchie, chemist and druggist, of a daughter.

Marriages.

BARTON—LANGDON.—At Christ Church, Upper Norwood, London, S.E., on May 19, John Wadsworth Barton, chemist and druggist, Westow Hill, to Blanche, daughter of Mr. W. F. Langdon, Upper Norwood.

DUNCAN—RUSSELL.—At Burlington House, Glasgow, on June 3, by the Rev. William Sutherland, Bath Street United Free Church, Arnold Joy Duncan, L.D.S., to Evelyn Mary, younger daughter of Mr. J. W. Russell, chemist and druggist, West Princess Street, Glasgow (Farie & Co., chemists, Bridge of Allan).

LYONS — MOLYNEUX. — At Warbeck Moor Wesleyan Church, Aintree, on May 27, by the Rev. J. H. Verney, Captain John King Lyons, Royal Welsh Fusiliers, Ph.C., Clanabogan, Omagh, co. Tyrone, to Beatrice E., youngest daughter of Mr. E. Molyneux, Laburnum House, Aintree. Before entering the Army, Captain Lyons was manager of Butler & Co.'s Medical Hall, Dublin.

WESTLEY—DIAPER.—At St. John's Church, Ipswich, on May 29, by the Rev. A. Heywood, Captain Charles William Westley, Yeomanry, to Constance Edith, elder daughter of Mr. F. E. Diaper, 17 Marlborough Road, Ipswich.

Deaths.

ANDERTON.—At Bryn-y-Mor Road, Colwyn Bay, on May 9, Mr. Frederick William Anderton, chemist and druggist, aged thirty-one.

BOWMAN.—Recently, Mr. Samuel Bowman, chemist and druggist, Silksworth. Mr. Bowman served his apprenticeship to Mr. J. Lambert, chemist and druggist, Durham, and was subsequently assistant with Mr. Leighton of the same city. He passed the Qualifying examination in 1880, and went into business at Silksworth twenty-nine years ago.

CLARKE. — Recently, after a long illness, Mr. Edwin Clarke, drug-store proprietor, Exchange Street, Blackpool, aged sixty-seven. Mr. Clarke had been in business in Blackpool for a considerable time. He was twice married, and leaves a son, who is in the Royal Air Force.

EDWARDS.—At Stanley House, Queen Street, Rhyl, recently, Mr. Hugh Owen Edwards, chemist and druggist, aged thirty-one. For the last eighteen months Mr. Edwards had been a relief manager in London to Boots, Ltd. The funeral took place on May 28.

FARRIES.—At Garston, Watford, Herts, on June 5, Mr. Thomas Farries, Ph.C., F.I.C., F.C.S. (of Burgoyne, Burbidges & Co., Ltd., East Ham, E.), aged seventy-two. The death of Mr. Farries, coming so soon after the demise of his contemporaries, Mr. John Evans, Sir Edward Evans, and Mr. Frank Harwood Lescher, removes another of the notabilities among historic drug-houses in this country. Although of late years Mr. Farries has not perhaps been so very strongly in the pharmaceutical limelight as the men just mentioned, he took a keen and active interest up to the last in the growth and development of the business with which he was connected for about fifty years. As a young man Mr. Farries went straight from "The Square" (where he negotiated the Major in 1866) to help Dr. W. S. Squire in the laboratory of Burgoyne, Burbidges & Co. in Coleman Street, E.C. In 1876 Mr. Farries and Mr. Julius Cyriax were admitted as partners, and the business was then known as Burgoyne, Burbidges, Cyriax & Farries. The successive deaths of Mr. Thomas Burbidge, Mr. Frederick Burbidge, and Mr. Cyriax ultimately left Mr. Farries sole proprietor of the business. Before Mr. Farries became a partner Dr. Squire had left the firm, and Mr. Farries was responsible for the laboratory operations for many years. His practical experience of pharmacy and its needs, together with his qualifications in the higher branches of chemistry, has enabled Mr. Farries to keep the business abreast of modern scientific requirements. The steady growth of the business at home and abroad was a tribute to the energy and ability of Mr. Farries and his partners, and the Coleman Street premises became so constricted that in 1908 new factories and laboratories were built and opened at East Ham, where still further extension has taken place since. In July 1916 the business was converted into a limited company, with Mr. Farries as permanent governing director.

MR. THOS. FARRIES.

HEGGIE.—At Edinburgh, on May 28, suddenly, Mr. John Heggie, for many years janitor of the Royal Dispensary and School of Pharmacy, Edinburgh, aged seventy-three.

HEPPENSTALL.—At Goole, recently, Mr. Percy Heppenstall, chemist and druggist. Mr. Heppenstall had been in business for twenty years, and prior to his illness was a keen lover of golf and other outdoor sports. He leaves a widow, a son, and a daughter.

PLATTS.—At St. Thomas's Hospital, on May 31, the result of an accident the previous day, Mr. Reginald Hardy Platts, Ph.D., husband of Irène Motte Platts, eldest son of the late Mr. Arthur Platts, of Gainsborough, and the late Mrs. W. George Whiffen, Clock House, Wimbledon Common, aged thirty-one years (see p. 35).

SHADFORD.—At 59 Mill Hill, Derby, on May 23, Mr. Major Shadford, chemist and druggist, aged sixty-two.

TOWNSON.—At 4 Lake View Villas, Bowness-on-Windermere, on May 27, suddenly, Mr. Timothy Welch Townson, chemist and druggist, aged eighty-one. Mr. Townson was at one time in business at Altrincham, and for some years assisted Mr. T. M. Holmes, chemist and druggist, Bowness.

Died on Service.

FLINT.—Sergeant J. Flint, Loyal North Lancashire Regiment, was killed on service during an air-raid on May 18. In civil life Sergeant Flint was with William Edge & Sons, Ltd., dye manufacturers, Bolton.

MORLEY.—Private Frank Morley, Loyal North Lancashire Regiment, has been killed in action. Prior to enlistment Private Morley was with A. McNair & Co., methylated-spirit manufacturers, Ardwick, Manchester.

SHARP.—Private S. H. Sharp, Machine Gun Corps, has been killed in action. Till enlistment Private Sharp was serving his apprenticeship to Mr. F. J. Janes, chemist and druggist, Aylesbury.

TIPLADY.—Private H. W. Tiplady, K.O.Y.L.I., was killed in action on April 29. In civil life Private Tiplady was on the staff of W. A. Wharram, Ltd., wholesale chemists, Vicar Lane, Leeds.

TURNER.—Signaller Tom Turner, King's (Liverpool Regiment), has been killed in action in France. Signaller Turner was, till his enlistment in November 1914, an assistant with Boots, Ltd., at Market Street, Blackpool.

AUSTRALIAN TRADE WITH CHINA.—Dr. Morrison, the famous ex-correspondent of the London "Times" at Peking, in an interview accorded to the Melbourne "Age," stated that "when China declared war against Germany and Austria she did Germany an infinite amount of harm. Not only were all German concessions taken over, German officials dismissed, trading with the enemy stopped, and the German and Austrian share of the Boxer indemnity, amounting to 13,200,000*l.*, confiscated, but all treaties with Germany were terminated. After the war, therefore, China will have new treaties, in which she will be able to make very much better terms for herself. By declaring war she struck an economic rather than a military blow at Germany—though the latter will come—because those vast areas of unexploited country which Germany hoped to exploit after the war are now closed against her. That is why I think preparation should now be made by Australian producers to study the conditions of the market in China." Approximately 105,000,000*l.* worth of foreign goods is bought by China each year, and she would take any quantity of Australian products, even to medicines. Dr. Morrison advised the appointment of permanent trade representatives in China, and Australia could rest assured that every possible help would be given by the British authorities

Progress in British Dye-making.

Those who have had the opportunity of studying German technical newspapers are aware that it is fully realised in Germany that the economic position there will, on the cessation of hostilities, be very serious owing to the lack of raw materials. The one hope of the Hun, other than the impossible one of a crushing victory, is that by bargaining with his indispensable chemical products he will be able to extract raw materials from the Allies. It would have been humiliating for this country to have been obliged again to purchase the products of the German poison-gas factories, and the possibility had made well-wishers of this country extremely anxious. We are able now, as the result of a visit to the works at Huddersfield of British Dyes, Ltd., to state definitely that a foundation has been laid for the establishment of a British dye-industry which will be able to stand firm against German attempts to recover anything like her old position in this country. It may be recalled that on the outbreak of war in 1914 it was realised by many people for the first time how dependent on Germany this country had become for many essential products, and that this was not accidental but a carefully arranged plan of the Prussian military Junkers. In no industry was the dependence more complete than in that of fine-chemical manufacture. It may be recalled that as a result of inquiries as to the best method of making good the deficiencies the Government resolved to subsidise a national dye-industry, and that British Dyes, Ltd., was founded, with an authorised capital of 2,000,000*l.* (to be increased later to 3,000,000*l.*). The Government undertook to advance 1*l.* on debentures for every 1*l.* of share capital subscribed up to a million, and thereafter 1*l.* (up to a maximum of 500,000*l.*) for every additional 4*l.* of subscribed share capital. The Government has also undertaken to give 100,000*l.* (spread over ten years) for purposes of research. The newly formed company acquired the Turnbridge works of Read Holliday & Sons, Ltd., as a nucleus, and at once set about developing and enlarging the works. A new site of 500 acres was acquired where what are now known as the Dalton Works were commenced in November 1915. These are connected by a railway with the old works. The time since 1915 has been occupied in planning and erecting the new factory, and when the difficulties of the war-time are taken into account it is realised that wonderful progress has been made. What struck the writer most was the wide views of the directors, that have resulted in a foundation upon which can be expanded a dye-industry of indefinite magnitude. The problem which presented itself was to make this country independent of Germany, not only for dyes and medicinal chemicals, but for the raw and intermediate products needed in manufacturing fine chemicals. It may be stated that the manufacture of many dyes is a comparatively simple matter so long as the intermediates are available, so that it was really upon the furnishing of primary and intermediate products that the greatest effort was needed. As an example of the heavy chemicals which are being made on a large scale may be mentioned "oleum" (fuming sulphuric acid), made by the contact process, and nitric acid. Then in regard to intermediates, the plants that have been installed are on a scale which should meet all demands for years to come. The plant, it goes without stating, is all of the most modern description, and it is only erected on a large scale after satisfactory tests on a small-scale plant. In regard to this last-mentioned plant, it should be explained that attached to a block of chemical laboratories is a small-scale plant exactly duplicating on a small scale every piece of apparatus which will be used on a grand scale if the process passes the working test. The installations for producing high- and low-pressure steam, power-gas, electricity, compressed air, ice, etc., are on an adequate scale, and in the actual dye-making we saw many familiar dyes in process of manufacture, these involving nitration, sulphonation, amidation, alkylation, acylation, condensation, and other methods of organic chemistry which one reads about or employs usually only on a laboratory scale. In addition, a series of anthracene colours of the newest types and medicinal chemicals, such as aspirin, beta-naphthol, and antifebrin, were at the time of our visit being made on a large scale. We saw the site for the new research laboratory, which is near a mansion that has been converted into a social club for the chemists and engineers. The mention of engineers reminds us that the problems which have had to be tackled are shared between the two professions, and equal credit is due to them for the splendid results already attained. An important part of the spade-work has been provision for obtaining and training organic chemists and carrying on research work at Oxford and Leeds Universities and Huddersfield Technical College until the company's own research laboratories are completed. There will, we think, be nothing to fear on this score when the scheme has been fully developed. Given reasonable facilities for obtaining constructional materials and engineering plant, there is no doubt that progress within the next two years will be even more rapid than it has been within the past two years. It can, however, be said that the foundation of the national dye-industry has been well and truly laid.

Trade Notes.

The Telephone Number of Mr. Thos. Swales, druggists' sundriesman, Leeds, is now "22260."

Mellin's Food Biscuits.—The price of Mellin's food biscuits was advanced on May 27 to 2*s.* 9*d.* per tin. The face-value is the minimum protected price.

"Allenburys" Olive Oil.—The price of this product is advanced as from June 5 to 4*s.* 6*d.* minimum price, which is also face-value. This is the only size which is now obtainable. Allen & Hanburys, Ltd., will close their factories and warehouses on June 27, 28, and 29 for stock-taking. During this period small urgent orders can be executed from their City branch at Plough Court and their West-end establishment at Vere Street.

Harvey's Hoof Ointment.—The revised prices for this are 3*s.* and 6*s.* The other preparations of Harvey & Co. (Dublin), Ltd., Dublin, and the revised prices were enumerated in the *C. & D.*, June 1, p. 40. The complete price-list is given in the company's advertisement in this issue.

P.P.P. Chemicals.—The importance of pure chemicals for pharmaceutical purposes should never be lost sight of, and in view of recent prosecutions under the Sale of Food and Drugs Acts it is timely to call attention to the advertisement in this issue of The British Drug Houses, Ltd., wherein are set forth the advantages of the magnes. sulph. and sodii sulph., made of the highest attainable purity.

Homœopathic Remedies.—Leath & Ross, 295 High Road, Brondesbury, London, N.W. 6, whose homœopathic remedies have been before the trade for eighty-four years, have decided to protect the prices of their products under the scheme of the Proprietary Articles Trade Association, although the sanction of the Council has not yet been notified. The face-values are to be fixed as the minimum prices for Neuraline and Glykaline. Homœopathic tinctures and pilules will be issued in the 1*s.* size only, the minimum retail price being 7½*d.* The profit to the retailer is on a liberal scale.

Milton.—We have received a sample of Milton, a new liquid of the hypochlorite class, manufactured in three varieties by the Milton Manufacturing Co., Ltd., 125 Bunhill Row, London, E.C. 1, whose advertisement appears in this issue. Readers of the *C. & D.* will remember that hypochlorite preparations previously introduced have suffered from the twofold drawback of being unstable and irritant. It is claimed for Milton that not only has this serious drawback been overcome, but also that the product contains a high percentage of oxychlorides, and is thus differentiated from all other attempts at the solution of the problems involved. An accompanying pamphlet gives instructions for nearly sixty different uses—surgical, domestic, and commercial. We have tested Milton as a mouth-wash, and find it agreeably cooling, with a "clean" after taste. Though of higher germicidal power than carbolic acid, it is non-toxic, and is therefore adapted for many purposes for which ordinary germicides are out of the question. We are informed that in surgical practice it has already given remarkable results, and it is also being used on a big scale for cleansing cans and other trade utensils. Milton is on the Protected List of the P.A.T.A., and retails as follows: No. 1, 8 oz. 1*s.*, 20 oz. 2*s.*, ½ gal. 5*s.*, 1 gal. 9*s.*; No. 2 (stamped), 6 oz. 1*s.* 3*d.*, 12 oz. 2*s.* 3*d.*

Information Department.

INFORMATION WANTED.

92/55, Oxidene"
94/35, "Gladclif" medicated pants (anti-vermin)
94/35, "Sextophon" cream
95/51, "Sulphate of Sarsap" (John Carter & Co.)
94/32, Hæmoglobin syrup
96/27, "Cowana" soap: makers or suppliers
89/54, Liq. Zirol and Liq. Novozirol
96/49, "Nataline" Cream.

INFORMATION SUPPLIED.

Beck's bismuth paste, 74/63
"Cerevisia," 50/28
"Chameleon" oil, 46/72
Claire's powder de riz, 79/26
Cosmetiques, 46/49
Cox's corn extirpator, 34/60
Cream of tartar substitute, 40/1

Observations and Reflections

By Xrayser II.

Mr. Body's Plea

for a more scientific ideal in pharmacy has my sympathy. Undoubtedly there is a danger that in the struggle for commercial success our true function may be neglected. Only last week a pharmacist told me he was seriously thinking of giving up dispensing altogether, and going in "bald-headed" for "business," the purely retail trade that entails so much less responsibility, and in his estimation pays so much better in proportion to what it extracts from us. I answered him much in the spirit of Mr. Body's letter, honestly as one who is a business man all the time. Here I come to the fallacy of Mr. Body's position. He seems to postulate an essential antagonism between pharmacy and business. There is no necessary antagonism; on the contrary, the two stand or fall together; pharmacy is in fact a mixed art (or an applied science, whichever phrase is preferred), and the proportions of the mixture vary infinitely according to circumstances. Every man must decide for himself what in his peculiar circumstances, and with his own natural bent, is the best line for him to follow, but to neglect pharmacy where it can possibly be practised is to give away our chief asset in competing with unregistered men. Nobody need despise business; it is, to adopt the Franciscan metaphor, "our brother the ass," which carries pharmacy proper on its back and it as much needs care as the rider. Mr. Body's final sneer at the "drug-grocer" is unworthy of his argument. We are necessarily drug-grocers among other things; it is part of our true calling. Mr. Body should remember the history of the Apothecaries' Company; we have succeeded to their old business; would he have us follow them into the profession? There seems no other alternative than that between what they were and what they now are. The doctors, too, know this.

Mr Waring's Explanation

is not sufficiently explicit to answer satisfactorily either my note or the Editorial leaderette to which he refers. What were the terms of his letter to the managers? Were they dictated by his friendship with certain of the candidates? Did he recommend these candidates to the voters? Why did he think that his advice was needed? Why was it necessary to tell managers to use their own judgment? Was it because there was a feeling abroad among them that they who had paid the piper might think they had a right to call the tune? It does not require any abnormal delicacy of feeling to make one shrink from the very idea of influencing in any way the exercise of a vote given to one's employés in such circumstances, and Mr. Waring has no right to complain if his action has been "productive of serious thought" among pharmacists generally, as well as among Boots' managers.

The Title "Apothecary"

is impossible for us, first, because the Apothecaries' Company will never relinquish it to us, and secondly because, if they did, it would not fit us. It is idle to refer to its original meaning; we cannot get behind the fact that for centuries it has in this country signified a medical practitioner. "Chemist and Apothecary" is open to all the objections that have been urged against "Chemist and Druggist," and to others in addition, without the historical justification of the old style. Our true wisdom would be to give all members of the Pharmaceutical Society (which should include all registered men) the title of "Pharmaceutical Chemist," as the Act of 1852 did, and to devise some higher style for the Major Man. "Chemist," as applied to us, may be admitted to need some qualification: the addition of "Druggist" virtually does qualify it, but does so awkwardly. "Pharmaceutical Chemist" fits the case exactly, and we might then with equanimity see the "professional" chemist in possession of the title "Chemist," with any qualification he might choose or even with none. The only objection I can see to this change is that it is the most sensible one—a fatal bar, I am afraid.

To the Chemists of Fiction

who from time to time figure in your columns should be added one who is a chemist in fact, and probably enjoys a unique distinction in being introduced by name into a contemporary novel by a writer of the eminence of Mr. Max Beerbohm. The author tells us that "Zuleika Dobson," extravaganza though it be, was inspired by the Muse of History, Clio, herself, and is true in substance and in fact. But Clio is also the "Mistress of Heroick Poets," and must not always be taken literally. The portrait of Mr. Druce of Oxford, who is one of the *dramatis personæ* (see pp. 224-6) is however evidently a study from life, and is convincingly drawn. There can be no doubt of the verisimilitude of this: The Duke of Dorset was being repaired in Mr. Druce's shop after his accident in Turl Street, when he noticed a bottle of "Cold Mixture" on the counter. "He frankly confessed to Mr. Druce that he had a cold. Mr. Druce, trying to insinuate by his manner that this fact had not been obvious, suggested the mixture—a teaspoonful every two hours. 'Give me some now, please,' said the Duke. He felt magically better for the draught. 'Why not two teaspoonfuls every hour?' he suggested with an eagerness almost dipsomaniacal. But Mr. Druce was respectfully firm against that." The Duke yielded, but carried away the bottle with him, not that he did not "know that Mr. Druce could be trusted to send it round to his rooms immediately," but—well, for the reasons that induce so many nervous patients to do the like. Even so self-controlled a personage as the Duke of Dorset could not resist the magic of an aptly recommended nostrum.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," May 22, 1918.)

"ROSANTHRENE" and "INDIGENE"; for dyes, etc. (1 and 4). Cube-shaped device bearing angel's head, goat, and word "CIBA"; for all goods (1). Similar device on circular label for vegetable indigo (4). By Society of Chemical Industry in Basle, 141-227 Klybeckstrasse, Basle. 380,277/8, 381,824/825/826/829. (Associated.)

Label device with words "QUINN'S DISINFECTANT FLUID AND DIP" and letter "Q," etc. ("Q" and "Quinn's" disclaimed); for a disinfectant and sheep-dip (2). By W. J. J. Quinn, Whitelees, Lanark. 382,199.

"DIABETOL" and "AMES CHEMICAL CO. INC." on circular device ("Diabetol" disclaimed); for a diabetes medicine (3). By the Ames Chemical Co., Inc., 26 Henry Street, Binghampton, New York. 381,259.

"JUVENESCO"; for medicinal chemicals (3) and for perfumery, etc. (48). By Shadforth Prescription Service, Ltd., 63 Grove Road, Bow, E. 3. 382,004, 381,919. (Associated.)

"DERMOS"; for medicinal chemicals (3) By W. C. H. Church, 86 Pilgrim Street, Newcastle-upon-Tyne. 382,005.

"GLUCARSENOL BRAND ARSENO-BENZENE PREPARATION"; for organic arsenic salts (3). By Modern Pharmacals, 48 Mortimer Street, Cavendish Square, W. 1. 382,195.

"DAUNTLESS"; for surgical rubber goods (11). By H. Gordon, 8A City Road, Finsbury Square, E.C. 1. 382,734.

"RIXMO"; for photographic paper (39). By Sternberg & Wertheim, Rosedale Road, Richmond. 382,137.

"FLAKO" with pictorial device; for goods (47) and for perfumery, etc. (48). By J. Knight, Ltd., Silvertown, E. 16. 381,859/860. (Associated.)

"COMFY" on label with child's head ("Comfy" disclaimed); for perfumery, etc. (48). By Lever Bros., Ltd., Port Sunlight. 381,975. (Associated.)

"PADDLE" with picture of children paddling, for perfumery, etc. (48); "CHOIR TOILET SOAP" with picture of choir boys, for toilet-soap (48). By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester. 382,438/645. (Associated.)

"MERSOL"; for microscope immersion oils (50) By Flatters & Garnett, Ltd., 309 Oxford Road, Manchester. 381,682.

"INVINCIBLE"; for goods (50). By the North British Rubber Co., Ltd., Fountainbridge, Edinburgh. 381,877. (Associated.)

(From "The Trade-marks Journal," May 29, 1918.)

"FEDEROYL": for chemicals (1) and for all goods (4). By the National Federation of Associated Paint, Colour, and Varnish Manufacturers of the United Kingdom, Bowlalley Lane, Hull. 382,159/341. (Associated.)

"LUVIZ"; for liquid disinfectants (2). By W. H. Miles, 30 Cockspur Street, Liverpool. 381,722. (Associated.)

"P A LTD." and picture of man ploughing; for goods (2). By P. Artingstall, Ltd., 51 North John Street, Liverpool. 382,387.

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Editorial Articles.

The Abolition of the Poor-Law.

I.

WE referred briefly (*C. & D.*, February 2, p. 44) to the report of the Sub-Committee appointed to consider the transfer of the functions of the Poor-Law Authorities in England and Wales and called attention to those points that affected Poor-Law dispensers. The report is from a Sub-Committee appointed by Dr. Addison, the Minister of Reconstruction, and it is stated that no single member of the Sub-Committee had any direct knowledge of Poor-Law administration apart from two officials of the Local Government Board. As the report has received some scathing criticisms it is well to consider the matter further. Briefly, the Sub-Committee recommends that the present Poor-Law organisation be handed over to County Councils and County Borough officials and the Sub-Committee submits an elaborate scheme by which the work is to be divided amongst a series of Committees. The sick and infirm in institutions are to be transferred to existing Health Authorities, whilst children of school age will be placed under the present Education Committees. Home assistance (the new term for "out-relief") is to be administered by a Home Assistance Committee, and a new Committee is to be provided to deal with the problem of the unemployed. The report is one of considerable interest to pharmacy in more directions than one, because, as we have stated on previous occasions, the extent to which Boards of Guardians are directly

interested in matters connected with the drug-trade is not always realised. The Guardians are responsible for the care of the whole of the sick destitute poor, they have under their control the greater proportion of the hospital beds in this country, whilst the number of sick treated in their own homes reached in pre-war days a high figure. In this last named direction the Guardians are responsible for the medical attendance required by the destitute poor to an even greater degree than the Health Insurance Commissioners are for the insured person. Apart, however, from the public aspects of the question, the transfer is one which vitally affects a considerable number of chemists employed as dispensers in Poor-Law dispensaries. The Reconstruction Sub-Committee recommends that so far as practicable existing officers should be transferred to the new authorities, and as Poor-Law dispensers are indispensable they would probably be transferred without question. The interference with Union areas, however, may have adverse results so far as some of these dispensers are concerned, and, as we have suggested, it is the duty of the Pharmaceutical Society to take an active interest in this report so as to conserve the interests of dispensers who are qualified chemists. So far as Poor-Law dispensers are concerned, they are not likely after the war to benefit from the increasing shortage of pharmacists, as owing to the regulations of the Local Government Board, which permit Army compounders to be appointed to these posts, there will, after the war, be a largely increased supply of this class of labour. Apart from the disturbance of areas, the transfer of existing dispensing arrangements will probably not cause serious difficulty. The conditions vary very much, for whilst in London and some of the large provincial Unions it is the rule that the Guardians provide fully equipped dispensaries in connection with their hospitals and also branch dispensaries for the outdoor poor, there are hundreds of District Medical Officers in the provinces acting at the present time under the antiquated arrangement by which the doctors supply their own drugs and dressings. The consequences in these days of abnormal prices for drugs may be imagined, although the situation has been somewhat relieved by the substantial reduction in the number of cases in receipt of medical relief since the passing of the National Health Insurance Act. The office of the Poor-Law dispenser varies so far as emoluments are concerned to a considerable degree, for whilst the operation of the Metropolitan Common Poor Fund keeps down the scale of remuneration in London, that factor does not operate in the provinces, with the result that some of the provincial appointments are of substantial value. It will be interesting to see whether a result of the new scheme (if carried into effect) will be to remove the incubus of the Common Poor Fund in London and so permit the Poor-Law dispenser to receive a remuneration in accordance with his skill and knowledge. Apart from the salary aspect, however, it will be a matter for general regret if the Local Government Board cease to exercise their power of supervising these appointments, for whilst the extent of their powers to interfere is much more limited than was formerly believed to be the case, the fact that the officer can appeal to a central authority has proved of value in isolated cases.

Canadian Chemical Progress.

IN our series of articles last year on "Doing Without Germany" we indicated briefly what steps Canada has taken since the war to develop her chemical-industries by the utilisation of her natural resources, especially hydro-electric power. As an indication of the progress that has been made since the war, the Chief Trade Commissioner of the Canadian Government has sent us a list of industrial and pharmaceutical chemicals which are now made in Canada. The full list is too lengthy for publication in our columns, but we enumerate below the chief products that are made and the names of the makers :

Industrial Chemicals.

Acetaldehyde: Canadian Electro Products Co., Ltd., Shawinigan Falls.

Acetone, acetate of lime, acetate of soda, methyl alcohol, formaldehyde: Standard Chemical, Iron, and Lumber Co., Toronto; Hodgson Bros. Chemical Co., Ltd., Lindsay, Ont.

Anhydrous ammonia, aqua ammonia: Canadian Ammonia Co., Toronto.

Arsenic: Coniagas Reduction Co., Ltd., Thorold, Ont.; Deloro Mining and Reduction Co., Ltd., Deloro, Ont.; Metals Chemical Co., Welland, Ont.

Barium salts: Barytes, Ltd., Halifax.

Bleaching-powder: Canadian Salt Co., Windsor, Ont.

Calcium acid phosphate: J. F. Higginson, Buckingham, Quebec.

Calcium carbide: Wilson Carbide Co., St. Catherines, Ont.; Shawinigan Carbide Co., Shawinigan Falls; Union Carbide Co. of Canada, Ltd., Welland, Ont.

Copper sulphate: Consolidated Mining and Smelting Co., Trail, B.C.

Cyanamide: Cyanamide Co., Niagara Falls, Ontario.

Glauber's salt: Nichols' Chemical Co., Montreal.

Methyl alcohol, methyl acetone: Standard Chemical Co., Toronto; Hodgson Bros. Chemical Co., Ltd., Lindsay, Ont.

Nitric, sulphuric, and hydrochloric acids: Grasselli Chemical Co., Hamilton; Nichols' Chemical Co., Montreal.

Potash salts: Chemical Refineries, Ltd., Ontario.

Phosphorus, amorphous: Electric Reduction Co., Ltd., Buckingham, P.Q.

Soda salts: Solvay Chemical Co., Amhurstburg, Ont.; Lever Bros., Toronto; Canadian Crystal Soda Co., New Toronto; Grasselli Chemical Co., Hamilton.

Soda acetate: Canadian Electro Products Co., Ltd., Shawinigan Falls.

Soda bicarbonate, soda sulphite, ferric sulphate, soda hyposulphite, nitre cake, sal soda: Grasselli Chemical Co., Hamilton.

Zinc chloride: Nichols' Chemical Co., Capelton, Que.

Pharmaceutical Chemicals.

Acetic acid: Standard Chemical, Iron, and Lumber Co., Montreal; Grasselli Chemical Co., Hamilton; Canadian Electro Products Co., Ltd., Shawinigan Falls.

Aspirin: Mallinkrodt Chemical Works, Montreal; Chemical Products of Canada, Toronto; British Chemical Co., Ltd., Montreal.

Benzoates: Delta Chemical Co., Toronto; Chemical Products Co. of Canada, Toronto.

Bismuth salts: Mallinkrodt Chemical Works, Montreal.

Carbolic acid: Plasties, Ltd., Toronto.

Iodides: Mallinkrodt Chemical Works of Canada, Ltd., Montreal.

Paraldehyde, Epsom salt: Canadian Electro Products Co., Shawinigan Falls.

Resorcin, mercuric oxide, manganese acetate, phenacetin, potash permanganate: Chemical Products of Canada, Ltd., Toronto.

Salicylates: Cott-a-lap Co., Walkerville, Ont.; Chemical Products of Canada, Ltd., Toronto.

Salvarsan: Synthetic Drug Co., Toronto; Diarsenol Co., Ltd., Toronto.

Silver nitrate, cyanide salts: National Drug and Chemical Co. of Canada, Montreal.

Naturally, the chief chemical-works are busily engaged in the production of war chemicals, but many of those will be able to readjust their factories for peace-time requirements, and those recently erected for making munition chemicals have been built with this object in view. It is interesting to note from the list that aspirin is being made by three factories in Canada, and benzoates, salicylates, and salvarsan by two companies. Resorcin is being made in Toronto, while acetic acid, acetates, and acetone are being produced on a considerable scale owing to war requirements. The manufacture of calcium carbide has greatly increased, and much of it is being converted into acetone. Various potash salts are being made in Ontario, and works for the recovery of potash from flue-dust in cement-works have been started in Montreal. The benzol, toluol, and trinitrotoluol industries are, of course, highly organised. Cyanamide, which is being exported from Canada to the United States at the rate of about 65,000 tons per annum, is being made at Niagara Falls, Ontario, and this factory is the first and only one so far in actual operation in Canada or the United States. After the war the Dominion of Canada will undoubtedly find a much larger market for many of her chemical products, as it is probable that under normal conditions there will be a substantial surplus for export.

Sir Peter Wyatt Squire.

THE most interesting announcement in the Birthday Honours list (p. 38), from a pharmaceutical point of view, is the conferment of a knighthood on Mr. Peter Wyatt Squire, Ph.C., F.C.S., F.L.S., chemist on the establishment of the Royal Household. It is, so far as we know, the first time that a pharmaceutical chemist has received the honour of knighthood for his services as a chemist, and on that account must be considered as a signal honour to the whole body of chemists and druggists. Previous pharmaceutical knights have been selected for that honour mainly for political considerations or because of services rendered in public life, but in the present instance Mr. Squire is selected for his work as a pharmaceutical and analytical chemist.

P. W. SQUIRE, F.C.S., F.L.S.

Earlier in the year we mentioned that Mr. Squire had completed fifty years as chemist on the establishment of the Royal Household. He has been on the medical staff of three Sovereigns—he was gazetted to Queen Victoria on December 31, 1867, to King Edward in 1901, and to King George in 1910. In addition to dispensing for the Household, Mr. Squire has carried out analytical work, such as reporting on the water-supplies of Windsor and Sandringham. Mr. Squire's father was on the staff of Queen Victoria from 1837 to 1877, during the last ten years jointly with his son. Mr. Peter Wyatt Squire was trained at the well-known pharmacy in Oxford Street, and was a student at the School of Pharmacy of the Pharmaceutical Society. He obtained the botany and materia medica certificate in 1864, and became a pharmaceutical chemist in 1866. He was formerly a member of Council, and at an evening meeting some years ago lectured on the preparation and staining of tissues for microscopical examination, upon which subject he has written a book under the title "Methods and Formulæ." It is, however, by his work in connection with Squire's "Companion to the British Pharmacopœia" that he is more widely known in medical and pharmaceutical circles. This work was started by Peter Squire in 1864, and it was in 1877, when the eleventh edition was produced, that the name of Mr. Peter Wyatt Squire first appeared on the title-page. The nineteenth edition, which was brought out in 1916, is a monumental volume and marks the high-water mark in the production of the work. It will be remembered that at the International Congress of Applied Chemistry, which met in London in 1909, Mr. Squire contributed a paper on the standardisation of drugs, which not only maintained his reputation for initiative and originality, but enhanced the reputation of British pharmacy with the other nations which participated in the Congress. Mr. Squire is a good sportsman: he holds records in golf, punting, and tennis, which shows that his thoroughness in work extends to his recreations and accounts for his success in life. The knighthood is a well-deserved honour conferred upon a chemist who has devoted the best years of his life to the advancement of pharmacy and the promotion of good feeling between the medical and pharmaceutical professions. We trust that he will for many years enjoy the titular distinction over his fellow-pharmacists which he has so well earned. Pharmacy is proud of the work he has done and of the honour he has brought upon the craft.

Ignorance in Government Departments.

IN THE CHEMIST AND DRUGGIST, March 23, p. 44, we gave a glaring example of the ignorance of the law on the sale of poisons which exists in the Board of Agriculture and Fisheries. The object in publishing the example was to afford the Pharmaceutical Society, which is fond of boasting of its influence with Government Departments, the opportunity of making representation on the matter to the Board of Agriculture, which should have been a particularly easy matter considering that Sir Richard Winfrey, Ph.C., is the Parliamentary Secretary to the Board. We find, however, that nothing was done in the matter, with the consequence that the official who compiles the leaflets of the Board of Agriculture is allowed again to blazon forth his ignorance. It would not matter so much that that official's ignorance is rendered patent were it not that a grave injury is done to the chemists of Great Britain by the circulation of incorrect statements. In Food Production Leaflet No. 39, which has been issued this week, occurs the following:

HOW TO OBTAIN SPRAY CHEMICALS.—It must be remembered that arsenate of lead and nicotine are poisonous compounds. These substances can, therefore, only be obtained from firms licensed to sell poisons. To comply with the law every person who requires them has to sign the "poison book."

Under these circumstances the local chemist should be asked to obtain a supply from a firm of wholesale horticultural sundriesmen.

The other chemicals which may be required can be obtained in a similar manner. They are also stocked in many districts by firms supplying horticultural requisites, agricultural merchants, grocers, and ironmongers.

The Pharmaceutical Society should at once demand the withdrawal of this circular and the previous one to which we called attention a few months ago, and back up the demand by Parliamentary action if necessary.

A Shake-up at Bloomsbury.

WE are not sure whether the members of the Pharmaceutical Society realise that their opinions as expressed at the recent election of Council were calculated to bring about a complete change in the conduct of the Council. The change may better be described as an earthquake than a shake-up. The effects of the election were shown at the Council-meeting on Wednesday—the longest that has been held for years—when a President was elected who does not belong to the old camarilla which has ruled for so long. Mr. W. L. Currie, who is to fill this office, has been a Vice-President, and Scotland again receives a high compliment for the class of men its sends to the Council. The fact that he lives at Glasgow turned the opinion of the Council in favour of re-electing Mr. E. T. Neathercoat as Vice-President, an office which he has already filled for four years. The unexpected refusal by Mr. W. S. Glyn-Jones, M.P., of the position of Registrar and Secretary, which followed, appears to have been the result of an acrimonious discussion at the meeting on Tuesday of the General Purposes Committee. What took place there is not known outside the Council, but, judging by the results, there must have been a grave difference of opinion on fundamental matters. Anyhow, when the Council met on Wednesday a letter was read from Mr. Glyn-Jones stating that after what had taken place he was not prepared to accept the position of Registrar and Secretary. Without knowing what took place in Committee we cannot help thinking that Mr. Glyn-Jones has acted precipitately, and we hope that before the next meeting of Council the *via media* will have been found out of the present difficulties. Probably when it is recognised that the old autocratic methods of conducting the Society's business have gone for ever all parties may see their way to work together for the good of pharmacy as a whole. Autocracy has received its lesson, which is sharper than it would have been had it been realised before how much those who conducted the Society's affairs were out of touch with the working chemist.

CARBONIC-ACID GAS.—The whole of the South African requirements of carbonic-acid gas for aërating mineral waters are being supplied by a firm in Johannesburg, the gas being prepared from Malelane magnesite.

Pharmaceutical Society of Great Britain.

Council-meeting.

THE first meeting of the Council of the Pharmaceutical Society of Great Britain since the election was held on June 5 at 17 Bloomsbury Square, London, W.C. The chair at the outset of the proceedings was occupied by Mr. E. White, the retiring President, and all the members were present.

ELECTION OF PRESIDENT.

The retiring PRESIDENT stated that the first business before the new Council was the election of President for the ensuing year.

Ballot-papers were distributed among the members, who, having made their nominations, deposited the papers in the ballot-box.

The result of the voting was as follows: Mr. W. L. Currie, 12; Mr. P. F. Rowsell, 2; Mr. A. S. Campkin, 1; Mr. F. G. Hines, 1. Four blank papers were returned, and Mr. Hagon entered the Council Chamber too late to record his vote.

The retiring PRESIDENT then formally declared Mr. Currie elected, and, calling him to the chair, invested him with the chain of office, at the same time expressing the hope that his term of office would be a successful and useful one.

MR. W. L. CURRIE.

The PRESIDENT, who was received with applause, thanked the Council for the honour they had conferred upon him. He remarked that it was not of his seeking, nor had it been thrust upon him. He very highly appreciated the honour, not only on personal grounds, but as one done to the country to which he belongs. It is a recognition of personal service rendered by himself, and also of the fact that Scotland has in times past, and, he hoped, would in time to come, serve the Society faithfully and well. (Hear, hear.) He would endeavour to carry out the duties of President of the Society to the best of his ability. He hoped that those who were in the minority would extend to him that loyalty and support which he had reason to expect from every member round the Council-table. (Hear, hear.) He had the greatest possible admiration for the enthusiasm which had characterised the recent election. Never in the history of the Society had there been such a poll or had there been such enthusiasm, and he thought all this augured well for good work being done, provided they would bear with one another and be loyal, supporting each other right through, never forgetting that what they were out for was the benefit of pharmacy. (Applause.)

VICE-PRESIDENT AND TREASURER.

The ballot for the election of Vice-President resulted as follows: Mr. E. T. Neathercoat, 14; Mr. A. S. Campkin, 5; Mr. P. F. Rowsell, 2.

The PRESIDENT declared Mr. Neathercoat elected; and the VICE-PRESIDENT thanked the Council for the renewed expression of their confidence in him.

The balloting for the election of Treasurer resulted as follows: Mr. F. E. Bilson, 11; Mr. A. S. Campkin, 5; Mr. J. F. Harrington, 4; Mr. L. M. Parry, 1.

The PRESIDENT, in announcing Mr. Bilson duly elected to the office, said he had not the slightest doubt the new Treasurer would be able to give a good account of the finances of the Society at the end of the financial year.

The TREASURER, who had a cordial reception, said he did not desire to hide from them for one moment the fact that his election flattered his vanity. He had felt that he would like to be elected Treasurer. One did not expect a unanimous vote in these days, but the number of votes recorded for him indicated that he had to a certain extent the confidence of the Council. (Applause.)

WELCOME TO NEW MEMBERS.

The PRESIDENT said his first public duty was to extend a very cordial welcome to the new members of the Council. (Applause.) For the first time in the history of the Society a lady had been returned to the Council. (Hear, hear.) It was quite evident that the electorate of the Society thought well of Miss Buchanan, having voted for her in such large numbers. From his own knowledge of her, and having watched her career for a long time, he was perfectly satisfied that Miss Buchanan would prove an acquisition to those who deliberated round that table. (Applause.) Mr. Wolff appeared to be very popular. He was a young man of great enthusiasm. As he had indicated in remarks he had made on a previous occasion, young men must have their wind out. (Laughter.)

Miss BUCHANAN, who was greeted with loud applause, thanked the President for his remarks, and the Council for the kindly welcome and for the great kindness they had extended to her. She appreciated that this recognition was not owing mainly to personal reasons, but to the fact that women are now allowed to take part in the public duties of the various callings and professions to which they belong. On behalf of the women pharmacists of the country she thanked the Council for the welcome extended to her. (Applause.)

Mr. WOLFF (who was dressed in khaki and was also accorded a hearty round of applause) also acknowledged the welcome extended to him. He began to feel, particularly that morning, that he was not as young as he used to be. (Laughter.) He felt that he had not quite so much enthusiasm as the President credited him with possessing. But whatever enthusiasm and ability he did possess would be used honestly and sincerely to make pharmacy as good as he could make it

Thanks were then accorded to the retiring President, which were acknowledged by Mr. WHITE; and appreciation was expressed of the services of Mr. W. H. Gibson, the late Treasurer.

VOTES OF CONDOLENCE.

The CHAIRMAN, referring briefly to the death of Sir Alexander Pedler, remarked that he was an old scholar of the School of Pharmacy, a Bell scholar in 1866, and an honorary member of the Society since 1907. He had also to express regret at the death of Mr. Frank Harwood Lescher. All who knew him looked up to him with the utmost respect and confidence. He also was an old scholar of the School of Pharmacy whose career read almost like a novel. Mr. Lescher rose from small beginnings to great things and lived a life of great usefulness. He proposed that letters of condolence be sent to the relatives of the deceased gentlemen.

Mr. WHITE, in seconding, said that he had been very closely associated with Mr. Lescher, who had acted as one of the Auditors of the Society up to the time of his death, and had always found him to be a man of charming personality and very striking character. He was a distinct loss to pharmacy, but it was gratifying to them to reflect that the name of Lescher is still to be associated with the Society's affairs.

Mr. YOUNG and Mr. CAMPKIN also supported the resolution, which was adopted.

HONOUR TO SIR PETER WYATT SQUIRE.

The PRESIDENT moved that they as a Council should forward their congratulations to Sir Peter Wyatt Squire on the honour which had just been conferred upon him. Sir Peter held the unique position of having acted for fifty years as chemist to the Royal Family, which was rather a long record of notable service. The honour conferred upon him also reflected honour upon pharmacy.

The proposition was seconded by Mr. HARRINGTON and agreed to.

APPOINTMENT OF AUDITOR.

On the motion of Mr. KEALL, seconded by Mr. BILSON, Mr. T. Edward Lescher was appointed to fill the vacancy for auditor caused by the death of his father, Mr. F. Harwood Lescher.

THE RETIRING SECRETARY.

The PRESIDENT read a letter from Mr. W. J. Uglow Woolcock to the effect that his name should not go forward as a candidate for the office of Secretary and Registrar. In severing his connection with the Society as an officer he tendered the President and the Council his heartfelt thanks for the kindly support and the general appreciation which had been accorded him. The PRESIDENT remarked that, while they all regretted losing Mr. Woolcock, understanding as they did all the conditions relating to his resignation, they had to congratulate him upon the action he was taking. (Applause.)

Mr. Rowsell moved:

"That this Council desires to place on record their deep appreciation of the splendid services rendered by Mr. Woolcock as Secretary and Registrar for the past five years, and also in the previous position he held under the Council."

In speaking to this, Mr. Rowsell said he had heard something about painting the lily and adorning other things, but he did not think it at all necessary to refer to the services of Mr. Woolcock in the presence of members of the Council. Everyone connected with pharmacy was cognisant of the most able way in which Mr. Woolcock had performed his duties as Secretary. They were losing a most worthy officer, but they must also congratulate him upon the position he was about to take up, and they looked forward to his occupying a very prominent position in the affairs of the country at some future date. (Hear, hear.)

Mr. Skinner seconded the resolution. During the five years he had worked with Mr. Woolcock they had always their differences of opinion, but both had always been good friends. Personally, he regretted that Mr. Woolcock was taking his departure just at a time when he (the speaker) felt he was getting on his feet. Mr. Woolcock had been a good friend to him in connection with organisation in London, and he knew of no man to whom he could point as having done more to help pharmacists to pull together. It was some gratification to him that Mr. Woolcock had consented to remain Hon. President of an Association with which he was connected

The resolution was put and carried.

The Secretary briefly, but sincerely, acknowledged the resolution.

Secretary and Registrar.

The next business was the appointment of a Secretary and Registrar and the other officers of the Society.

The President said he had received the following letter from Mr. W. S. Glyn-Jones:

Dear Mr. President,—I have slept over last night's proceedings of the General Purposes Committee, commencing with the incident of the Liverpool letter and concluding with the discussion and decision of the Committee in reference to my request that if I am to be asked to become responsible as the Society's Chief Executive Officer, the respective status and responsibility of Mr. Chater and Mr. Mallinson should be one of equality.

Frankly, I have asked myself whether, if the meeting last night is an earnest of what is to be expected, if the post of Secretary and Registrar is offered to and accepted by me, it is not my duty to ask the Council to proceed to the election of Mr. Woolcock's successor upon the assumption that my services in that capacity are not available. The decision is one of the most important I have had to make in connection with my pharmaceutical career—if not the most important—and I regret that by force of circumstances it has to be hurriedly made, but I have now no doubt that in existing circumstances it would be my duty to decline the post.

As the Council know, I have the following matters in hand—namely, work in connection with

(*a*) The Pharmaceutical Advisory Committee on Enlistment.
(*b*) The Conference with the R.A.M.C. upon the future of pharmacists in the Army.
(*c*) Negotiations with the Privy Council in reference to the proposed By-laws and their letter regarding acetanilide.

Should the Council so desire, I shall be delighted to continue to assist them in these matters pending the appointment of Mr. Woolcock's successor, assuming, of course, that the appointment will not be unduly delayed.

I am, yours faithfully,

June 5, 1918. W. S. Glyn-Jones.

Receipt of this letter, the President went on to say, put a different phase upon things as the Council left them on the previous evening. It placed them in a peculiar position, one which would necessitate their considering the whole situation regarding the position of Secretary and Registrar *de novo*. In the circumstances, he put it to them whether they would discuss the letter in open Council or in Committee? Personally, he thought it should be considered in Committee.

The Council then deliberated in Committee, and no public announcement was made as to the result.

The standing orders were then adopted.

Elections and Restorations.

The Secretary reported that two members and eleven student-associates were elected, two persons were restored to the Register of Chemists and Druggists, and 159 were restored to their former status in the Society, while thirty-seven persons had been registered since last Council-meeting.

Correspondence.

The Secretary read a letter from the Privy Council in reference to a new draft Order in Council under Section 5 of the Poisons and Pharmacy Act, 1908, relating to acetanilide; and a second one from the same source on the subject of by-laws under Section 4 of the Poisons and Pharmacy Act, 1908. Both communications were dealt with in Committee.

A letter was read from the British Pharmaceutical Conference asking for permission to use the Lecture Theatre for the annual meeting of Conference, to be held on July 10 at 11.30 A.M. A further communication was read inviting the Council to appoint delegates to attend the meeting of the Conference. The permission asked for was granted, and papers were handed round, with the request that members of the Council who wished to attend the meeting of the Council should fill in their names.

A letter was read from the Conjoint Board of Scientific Societies asking if the Council wished to receive copies of the confirmed minutes of the last meeting. The Secretary remarked that if the Council cared to have the minutes, twenty-one copies could be obtained.

On the proposition of Mr. Wolff, it was agreed that, with a view of economising the use of paper, the Council should not ask for copies of the minutes.

The Council at this point adjourned for lunch.

Finance Committee.

On resuming business, the Council proceeded to deal with the reports of the various Committees. The first one dealt with was that of the acting Finance Committee.

This showed that, including a balance of 75*l.* 1*s.* left over from last meeting, the amount to the credit of the General Fund amounted to 847*l.* 9*s.* 6*d.* Receipts since last meeting included the following amounts; penalties and costs, 57*l.* 16*s.* 6*d.*; "Journal" and publications, 146*l.* 1*s.* 6*d.*; registration-fees, 100*l.* 16*s.*; restoration-fees, 2*l.* 2*s.*; certificates of qualification, 12*l.* 10*s.*; subscriptions, 395*l.* 6*s.* 6*d.*; examination-fees, 32*l.* 12*s.*; and fees for bacteriological course 24*l.* 4*s.* Accounts recommended for payment amounted to 1,667*l.* 2*s.* 1*d.* The Benevolent-fund current account showed that, including a balance of 1,643*l.* 9*s.* 3*d.*, the total to credit was 1,779*l.* 2*s.* 5*d.* Payments during the month ordered at last meeting amounted to 111*l.* 16*s.*; and deposit at bankers, 1,000*l.*, making a total of 1,111*l.* 16*s.*, leaving a balance of 667*l.* 6*s.* 5*d.* The donation account showed a balance of 118*l.* 13*s.* 7*d.*, out of which 100*l.* had been invested in a National War Bond, leaving a balance of 18*l.* 13*s.* 7*d.* The Orphan Fund, including payments received, amounting to 6*l.* 18*s.* 10*d.*, showed 129*l.* 19*s.* 5*d.* to credit. Of this 100*l.* was on deposit at bankers, leaving a balance of 29*l.* 19*s.* 5*d.*

Mr. Harrington moved the adoption of the report, which was unanimously agreed to.

Benevolent Fund.

The Treasurer, in moving the adoption of the report and recommendations of the acting Benevolent Fund Committee, suggested that the Council should take into consideration cases of pharmacists who had suffered in any way as a result of their services in his Majesty's Forces, and make such recommendations as might be deemed expedient. His desire was that this should be done very quickly. In this connection he acknowledged with gratitude the receipt of a cheque for 212*l.* 6*s.* from the Leeds Association. (Applause.) This had been sent to the Pharmacists' Demobilisation Aid Committee. When he informed them that this was the contribution of a hundred members of a local Association, and represented forty-two shillings from each of them, they would at once acknowledge that it was a handsome contribution. (Hear, hear.) He desired the opportunity of saying that Mr. Sargeant had been the prime mover in securing the splendid contribution. He felt that the chemists of the country had been most generous in regard to the Benevolent Fund. That would be the last opportunity he would have of saying anything as Chairman of the Benevolent Fund, but during the time he had held the position he had been splendidly gratified that the chemists had so handsomely contributed to the Fund.

Mr. Keall seconded the motion.

Mr. Skinner inquired what had been the outcome of the resolution it had been decided to draft at the previous meeting to convert the Benevolent Fund Committee into a special Committee for the purpose of dealing with cases arising out of the war.

The Treasurer replied that it would be best to have a meeting next month to decide upon a programme and start propaganda work.

The President thought he might, in a word, say how much they felt indebted to the chemists of Leeds for the very handsome way in which they had exhibited their generosity. He could only hope that there would be as generous a response from all the other Chemists' Associations.

The report was adopted.

Library Committee.

The report of the Acting Library, Museum, School, and House Committee, which dealt with routine matters, was then adopted.

Mr. WHITE, in moving the adoption of the report, stated that the only thing of importance which had engaged attention related to the fats and oils problem. On this the Committee had absolutely done their part and finished their work. They had worked out formulas and submitted their samples, and these had been approved. But there was still some hitch in the machinery of the War Drugs Committee, so that the new formulas had not yet been published. His own impression was that the difficulties had not been so serious as they at first anticipated they would be, and there was not the same urgency over the matter which the Committee originally thought there would be. They had completed their work, and they could do nothing more.

PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

It was reported by this Committee that Mr. Neathercoat had epitomised the evidence he gave before the Luxury-tax Committee relating to perfumery, dentifrices, and soaps. It was intimated that another Committee would deal with the tax in its relation to medical and surgical requisites. The Committee approved of the general lines of the evidence reported by Mr. Neathercoat. A report was submitted with reference to the Military Service Act, and with reference to points involved in the improvement of the pharmaceutical state of the Army Medical Services.

The report was adopted.

INAUGURAL SESSIONAL ADDRESS.

The Secretary mentioned that two names had been suggested in connection with the delivery of the Inaugural Address in connection with the opening of the seventy-seventh session of the School on October 2. The PRESIDENT suggested that the Right Hon. Dr. Christopher Addison, M.P., the Minister of Reconstruction, be asked to deliver the address.

ADMINISTRATIVE EXPERIENCE.

Mr. SKINNER proposed a resolution dealing with the appointment of a Sub-Committee to examine the question of the administrative work of the Council. In support of the resolution, he remarked that his object in submitting it was to ascertain whether it would be possible in the future to have a slightly different system of procedure whereby members of the Council would have a more intimate knowledge of the various things that happened and were brought before the Council. It was all very well to read out the report of the different Committees, but very few could carry in their heads all the points to which they referred.

Mr. SARGEANT, in seconding, said that in years to come the Society would have to devote more time and attention to the educational policy. Then, as a member of the Finance Committee, he had learnt that there existed in its work a definite need for revision of procedure.

After a brief discussion the resolution was adopted in the following form:

"That it is desirable that the General Purposes Committee of the Council should examine the question of how best to extend the administrative experience of Councillors in the Society's work, whether by constituting a Committee of Chairmen of Committees or otherwise, and to consider any rules of procedure which may be involved, and to report to the Council at the October meeting."

COST OF REFRESHMENTS.

Mr. WOLFF proposed

"That the cost of refreshments for members of Council be no longer defrayed from the General Fund of the Society."

He submitted that the amount that would be saved as a result of the adoption of the resolution would be sufficient to cover the cost of the revaluation of the Society's property, to which reference was made at the annual meeting, and which was regarded as necessary in order to put the finances of the Society on a sound basis.

Mr. SKINNER, in seconding, said that Boards of Guardians, Insurance Committees, and similar bodies which used to have luncheons and other refreshments provided for them had given way to the force of public opinion, which was opposed to such expenditure, and it had been shown that pharmaceutical public opinion had worked out in the same way.

A lengthy discussion ensued, the whole trend of which was against the adoption of the resolution. Some of the members described its purport as paltry and trivial, while others urged that the luncheon on the occasion of Council-meetings afforded the only means members had of acquiring knowledge informally of the work of the Society.

Mr. HINES suggested as an addition to the resolution the words: "And that a scheme of travelling and subsistence allowances be adopted for members of the Council." This, however, was ruled out of order by the PRESIDENT as being inconsistent with the terms of the resolution.

On a division the resolution was defeated by 12 votes to 5. The minority consisted entirely of the new members, and of the mover and seconder and Mr. Hines.

DISPENSING BY QUALIFIED PERSONS.

Mr. JENKIN, who had given notice of the following motion, intimated his desire to withdraw it in order to submit it to the next meeting:

"That every endeavour shall be made by the Council of the Pharmaceutical Society to obtain legal authority to enforce the preparation and dispensing of all medicines by or under the supervision of duly qualified persons."

This was all the public business. It was 4.10 P.M. when the public meeting terminated.

British Pharmaceutical Conference.

A meeting of the Executive Committee was held at 16 Bloomsbury Square, London, W.C., on May 29, the President (Mr. C. A. Hill) in the chair. There were also present Messrs. W. A. H. Naylor, F. Ransom (Vice-Presidents), Mr. D. Lloyd Howard (Hon. Treasurer), C. H. Hampshire, A. R. Melhuish, H. Skinner, with Mr. R. R. Bennett (Hon. Secretary). It was reported that the following members of the Conference had died since the last meeting of the Executive: Mr. J. Baxter, J.P., of Ballymoney (elected 1896); Mr. W. T. Upfill, of Walworth (elected 1913); and Mr. G. S. Woolley, of Manchester (elected 1870 and a Vice-President of the Conference in 1887 and 1907). The Secretaries were instructed to write to the relatives of the deceased members expressing the sympathy of the Executive Committee.

ANNUAL MEETING.—It was decided to hold the annual meeting in the lecture theatre at 17 Bloomsbury Square, London, W.C., on July 10 at 11.30 A.M., subject to obtaining the permission of the Council of the Pharmaceutical Society for the use of the Society's premises. The Secretaries were instructed to engage a room at the Holborn Restaurant for lunch after the meeting. The following Sub-Committee was elected to nominate officers for 1918-19: Messrs. T. H. W. Idris, W. A. H. Naylor, F. Ransom, D. Lloyd Howard, A. R. Melhuish, and R. R. Bennett. The following new members were elected: Mr. H. Hindley, of Liverpool, and Mr. E. Preston, of Sheffield.

Association Affairs.

Association of Women Pharmacists.—The following members of Committee are retiring: The Treasurer (Mrs. Freke), the Secretary (Miss E. K. Hughes), and Misses Heywood, Maughan, and Sproule. Mrs. Freke and Misses Maughan and Sproule offer themselves for re-election. Any nominations must be sent in to Miss Braithwaite, 18 Warren Road, Chingford, E. 4, before June 14. Members are reminded that they must first obtain the consent of any nominee.

Birmingham.—A meeting of the Council of the Pharmaceutical Association was held on May 24, when seven new members were elected and one resignation was accepted. A resolution was passed to send to Mr. Woolcock, on behalf of the Association, an expression of appreciation of the invaluable services he had rendered to pharmacy during his secretaryship, and of regret at the loss to pharmacy occasioned by his resignation.

Progressive Pharmacy Club.—At the meeting on June 4, Mr. Ernest Skues lectured on *Stockkeeping and Stocktaking*. There was a large attendance, Mr. G. Duncan Bowie being in the chair.

Ulster Drug-trade Association.—A special meeting of the Association was held at 11 Waring Street, Belfast, on May 29, the President, Mr. F. T. Smith, J.P., Antrim, in the chair. There was a large attendance. A small committee was appointed to go into the matter of ointment bases with a view of obtaining uniformity in the substitute for lard. A suggestion was made, and was favourably received, that the Association should take steps to institute a scholarship in research chemistry. A committee is to report on this and as to ointment bases. It was decided to issue a Spirit Stock-book with a view of minimising trouble in claiming the rebate on the new duty, conditional on the Excise Department passing the book. Mr. James Tate, ex-President Pharmaceutical Society of Ireland, read a paper entitled *Wake up! Chemists*, which was listened to with great interest. Mr. Tate, who originally read this paper for the Liverpool Chemists' Association, emphasised the importance of research. A vote of thanks was passed to him for his paper, and Mr. Tate promised another paper later on.

Trade Report.

42 Cannon Street, E.C. 4, June 6, 3 p.m.

THIS has been another uneventful week on the chemical and drug markets, buyers continuing to display a curious lack of interest in most products, especially pharmaceutical chemicals, and the changes have been mostly downwards. One important feature is that, while actual consumption is steadily going on, with the prospect of even increasing, the supplies of those chemicals which we are dependent on are not being replenished at the rate they ought to be, and the consequence is that stocks in dealers' hands are becoming much depleted. This is due to the restrictione which are now in force on importation and exportation, and the difficulties and delays in obtaining permits is tending to make dealers less inclined to order in advance and take the usual market risks. The Government acting as a "trader" on its own account has also created a very serious disquietude in the minds of many of the old-established merchants, who see their business being gradually filched from them. All this tends to a policy of drift among responsible firms, and the net result of this may be shown later when products are urgently wanted and are not to be had. Many of the large importers show no interest in doing business for forward delivery, as the market presents no attractions, so that the bulk of trading is meanwhile confined to spot parcels Among the changes since our last is an advance of 1s. per oz. in strychnine and salts. Hexamine is dearer, and all dealings in formaldehyde, which is practically unobtainable in the open market, are to be prohibited by the Government. The position in acetic acid is more acute than ever, even for special purposes. Tartaric and citric acids are both firmer. Other changes include an advance in albumen, apiol, antim. tart., hydrastin and salts, jalap resin, and sal prunella. Phenacetin, guaiacol carbonate, methyl salicylate, and aspirin have moved in buyers' favour.

Higher	Firmer	Easier	Lower
Albumen	Antimony	Cantharides (China)	Arsenic
Almond oil (B.P.)	Citric acid	Guaiacol carb.	Aspirin
Antim. tart.	Lemon oil	Ipecacuanha	Honey
Apiol	Leptandrin	Methyl salicylate	Phenacetin
Hexamine	Myrrh	Phthalic acid	
Hydrastin and salts	Tartaric acid	Quinine	
Jalap resin			
Orris (Flor.)			
Sal prunella			
Sarsaparilla (native Jam.)			
Strychnine and salts			
Wax, bees' (Jam.)			

Cablegram.

NEW YORK, June 6.—Business is dull. Menthol is steady at $3.50 per lb. Oil of birch is dearer at $2.50. Copaiba is steady at 90c., and antipyrin (phenazone) is lower at $18.50 per lb.

ACETIC ACID.—The position becomes more acute week by week, and consumers who urgently require supplies for special purposes find it difficult to obtain supplies.

ALBUMEN is dearer, with sales of prime *hen* at from 4s. 3d. to 4s. 6d. per lb. on the spot, and at 4s. 6d. c.i.f. afloat. *Duck* is nominal at 4s.

ALMOND OIL.—The English pressers of ol. amygdalæ (B.P.) have advanced their prices by a further 3d. per lb. to 3s. 9d. to 3s. 10d. per lb., the lower price being for 1-cwt. lots.

ALUMINA SULPHATE.—There is only a small stock available, either of 17 to 18 per cent. or 14 to 15 per cent. qualities, practically free of iron, and supplies are directed to those channels where these prime qualities are most essential.

ANTIMONY.—The tendency is again distinctly firmer, with fair quantities of Chinese crude sold on the spot at 45*l*., with nothing now apparently obtainable at below 46*l*. The available supply has dwindled to small dimensions, as no licences could be secured for some time past except against a few old contracts booked prior to the prohibition. American reports are much stronger owing to an increased demand. Regulus now costs fully 78*l*. on the spot (London), only few parcels being offered thereat. Home refiners affected by high costs have apparently made representations to the authorities with a view of keeping out imports.

ANTIMONY PREPS.—Antim. tartarat., crystals or powder, has been advanced 6d. to 3s. per lb., less 5 per cent.

APIOL.—Makers quote 30s. per lb., an advance of 2s. on previous prices.

ARSENIC.—There has been a further considerable fall in the price lately, due to more pressing offers and a dragging demand. The weakness has been far more pronounced than at any time since the reaction set in, and the position remains very uncertain, with buyers apprehending a further set-back. Business has been reported down to about 103*l*. per ton for Cornish powder, but comparatively high prices are still quoted for small lots up to about 115*l*. For fair quantities as offered by agents of Cornish mines current quotations range from about 104*l*. to 108*l*. delivered London for June-July delivery. It is not surprising to see the price gradually giving way, more especially as the inflated position has attracted sellers from all parts of the globe where arsenic is found.

ASPIRIN.—The over-production of this chemical at home is becoming most apparent, and we are informed by those in a position to judge that a good surplus exists, and that if permits were more freely granted (which they are not) the situation in makers' hands would improve.

BELLADONNA-LEAVES.—In the drug-auction 37 bales of French, testing 0.52 alkaloid, were limited at 7s. 6d. per lb.

BELLADONNA-ROOT is offered at 6s. 6d. per lb. on the spot for 6½ per cent., and French (4 per cent.) at 4s. 9d.

BROMIDES are quite unchanged, but it will not be long before adequate supplies arrive from the United States at prices which will be controlled by the Government, and they may be appreciably lower. Buyers should therefore act cautiously. Potash crystals offer at 10s. to 10s. 3d. spot and forward at 9s.; soda is 5s. 6d., and ammonia 10s. 3d. to 10s. 6d.

CAMPHOR (REFINED).—Japanese 2½-lb. slabs offer on the spot at from 4s. 4d. to 4s. 5d., as to seller, and at 4s. 3½d. c.i.f. to arrive, at which sales have been made; ¼-oz. tablets are quoted at 5s. 3d. to 5s. 6d. on the spot, as to seller, and at 5s. 8d. c.i.f.

CAMPHORATED CHALK is dearer at 95s. per cwt. net.

CANTHARIDES.—Good bright Russian flies offer at 10s. and ordinary at 9s. per lb. on the spot. In another direction a circular has been issued quoting cwt. lots at 15s. per lb., and advising buyers to cover their requirements for six to twelve months ahead.

CARAWAY-SEED.—The Dutch Board of Agriculture report that the prospects in Holland are everywhere good, but that there has been a great shrinkage in the area under cultivation.

CITRIC ACID is distinctly firmer at 3s. 5d. per lb. on spot.

CLOVES are quiet, with retail sales of fair Zanzibar at 2s. 5d. on the spot.

COCAINE.—A small quantity of Dutch hydrochloride will be available from the works this month, and will probably be dealt with at the current market price.

COD-LIVER OIL.—Our Bergen correspondent writes on May 21 that the Finmarken cod-fishing is improving. The total catch to May 18 is as follows:

	1916	1917	1918
Catch of cod (millions)	46.4	23.0	17.3
Yield of c.l.o. (hect.)	54,700	33,100	15,900
Liver for "raw" oils (hect.) ...	4,900	3,500	6,400

ERGOT.—Small sales of sound Spanish have been made at 4s. 6d. per lb. on the spot, and the same price is quoted for a parcel afloat.

ETHERS.—Present prices from makers are: B.P., 1898, s.g. .735, 8s. 6d. per lb.; s.g. .720, purif. B.P., 1914 (for anæsthesia), 9s. 1d.; acetic, B.P., 11s. 6d.; butyric, 15s. 6d. per lb.

FARINA.—Japanese No. 1 is quiet at 80s. to 81s. on spot, May-July shipment offering at 75s. c.i.f.

FORMALDEHYDE.—We understand that the Government have taken further steps in the control of formaldehyde, and that no dealings are to be allowed in the chemical by dealers. The supplies in future will be allotted in very limited quantities, and will be delivered to consumers for the most urgent purposes only. The price will also be adjusted. It is said this step has been taken with the object of conserving the production and supplies of methyl alcohol.

GUAIACOL CARBONATE is offered at from 105s. to 110s. per lb. on the spot.

HENBANE.—Fair green Russian leaves can be had at 6s. 3d. per lb. on spot, and several parcels of Egyptian are offered at a low figure to clear.

HEXAMINE is dearer at 10s. 6d. per lb. on spot. Supplies are coming in slowly, and not sufficient to bring about a reduction in prices. The U.S. authorities are only granting

export licences for a small portion of the quantities asked for.

HYDRASTINE.—Makers have advanced the price by 15*s.* per lb., quoting the alkaloid, also the hydrochloride and sulphate, at 135*s.* per oz. net. *Hydrastin (resinoid)* yellow is also dearer at 10*s.* per oz. net.

JALAP RESIN.—Makers have advanced the price by 10*s.* per lb. to 30*s.*, and powdered to 31*s.* per lb. net. *Jalapin, powder,* is also dearer at 37*s.* to 38*s.* per lb. net.

KAMALA.—Sales of good bright are reported at 2*s.* per lb., with 2*s.* 6*d.* asked; common dark has also been sold at 1*s.* 4*d.*, with 1*s.* 6*d.* asked.

LEMON OIL has, if anything, shown a rather firmer feeling of late, but there has been nothing pronounced about the tendency, and prices remain comparatively low at from 4*s.* to 4*s.* 2*d.* for best brands on the spot, and at 3*s.* 9*d.* to 4*s.* per lb. c.i.f. It is reported that the Italian Government have acquired considerable quantities of lemon oil as a substitute for turpentine oil, and this accounts for the advance of fully 6*d.* per lb. which has recently taken place in Sicily.

LEPTANDRIN is firmer at 12*s.* per lb. net from makers.

MENTHOL.—Small spot sales of Kobayashi-Suzuki have been made at from 13*s.* 8*d.* to 13*s.* 9*d.* There seems an inclination on the part of buyers to watch this article closely, as the present rates are considerably below those which prevailed on various occasions previous to the war. In auction 20 cases of Suzuki were limited at 14*s.* per lb.

METHYL SALICYLATE is offered at the easier rate of 10*s.* 6*d.* per lb. on the spot.

MINT OIL.—Sales, privately, have been made of Japanese dementholised (Kobayashi) at 3*s.* 9*d.* per lb. on spot. In the drug-auction 20 cases of Kobayashi were limited at 4*s.*

OIL-SEEDS.—The outlook in regard to imports has notably improved of late, while satisfactory arrangements have, it is believed, been made for shipments from the chief producing countries. The difficulties which have faced home crushers for some considerable time past should thus be remedied. At any rate, it is reported that fair quantities of cotton-seed have come to hand, with a prospect of further good arrivals in the near future. Therefore it has been possible to restart operations on a fair scale. Needs, of course, are urgent in view of the extremely low reserve stocks. It is to be hoped that fresh supplies of linseed will come along from the Argentina, as it is understood that good-sized quantities were shipped some time ago. There is, of course, plenty of linseed waiting export out of the last two crops in Argentina, but the main difficulty is one of freightage. Requirements in all oil products are heavy, while there is an urgent demand for cake for feeding purposes, and owing to this, restrictions have been enforced by the authorities upon the deliveries of oilcake. The development of the manufacture of margarine tends to call for increased quantities of the necessary raw materials.

OLIVE OIL.—The following communication has been made by the General Food Commission in Italy on the olive oil situation: The production of olive oil has this year equalled the average Italian production, but there have been no imports of seed-oil or of oil-seeds, which formerly amounted to some hundreds of thousands of quintals. The prohibition of export has not compensated this loss of imports, as in ordinary years the exports only amounted to one-third of the oil imported. There is thus a deficiency in the supply, whereas the consumption has increased owing to the shortage of other fats, and to the needs of the Army. Nevertheless, with an equal distribution between all the provinces it would have been easy to effect a reasonable reduction in the consumption. This distribution has been found to be extremely difficult owing to the shortage of transport, especially in view of the geographical position of the oil-producing provinces. There are thirty-nine provinces wholly importers of oil, twelve importing part of their requirements, twelve producing only enough for their own requirements, and only fourteen provinces exporting oil—of these, only five can this year export any notable quantity. This centralising of the production necessarily leads to a congestion on the railways. The Food Commission is doing its utmost to keep up a sufficient and regular supply and distribution to all the provinces, but the foregoing statement will show the difficulties they have to contend with.

PEPPERMINT OIL keeps scarce at about 22*s.* 6*d.* to 23*s.* per lb. net for finest American on spot. A small consignment of American is on the point of being shipped from the other side, space having been engaged.

PHENACETIN.—The consumption having been favourably affected by the reduction in price, there does not seem much room for a further drop, especially as supplies are coming forward slowly from America. Spot sellers offer at 25*s.* per lb. net.

PHTHALIC ACID is offered at the easier rate of 27*s.* per lb. in drums for forward delivery.

POTASH PERMANGANATE is weak owing to the increased production in this country, and importers find difficulty in attracting buyers at present inflated values. All speculative interest appears to have died away, and if buyers continue to hold off there is nothing to prevent a decline to a more reasonable level. In the drug-auction 15 cases of good bright crystals of Japanese make were bought in at 16*s.* per lb. net, no discount.

QUASSIA.—Chips offer at 45*s.* per cwt. on the spot.

QUININE.—A further fair-sized quantity has arrived, but it is not yet decided as to how it will be disposed of. Meanwhile the spot position is still rather uncertain, and the quotation is nominal at 3*s.* 4*d.* to 3*s.* 5*d.*

SACCHARIN.—We understand that the Department of Import Restrictions, acting in conjunction with the Ministry of Food, have refused licences to importers of American or uncontrolled saccharin. This fact has, of course, stiffened the market considerably, and prices in responsible quarters are from 257*s.* 6*d.* to 260*s.* per lb., duty not paid, for 550 strength; in some isolated instances there are offers at slightly less than the foregoing.

SALICYLATES are quite unchanged, but the demand continues poor, and stocks in makers' and dealers' hands, particularly of salicylic acid, are not moving off so rapidly as could be wished.

SAL PRUNELLA is dearer at 81*s.* per cwt. net for glob. and 102*s.* for small; cake is 79*s.*

STRYCHNINE.—The makers have advanced the price of strychnine and salts by 1*s.* per oz., and now quote B.P. crystals in bulk at 7*s.* 3*d.* and powder at 7*s.* 2*d.* per oz. net. Prices for the salts are: Acetate, 7*s.* 3*d.*; arseniate, 7*s.* 1*d.*; bisulphate, 6*s.* 9*d.*; citrate, 7*s.* 2*d.*; hydriodide, 8*s.* 2*d.*; hydrobromide 7*s.* 4*d.*; hydrochloride, B.P., 7*s.*; hypophosph., 9*s.*; nitrate, 6*s.* 11*d.*; phosphate, 7*s.* 6*d.*; and sulphate, 6*s.* 11*d.* per oz. net, all without engagement. *Hulle's* strychnine is 7*s.* 5*d.* in 1-oz. bottles, and soluble 7*s.* 2*d.* per oz.

TARTARIC ACID is in good demand at from 3*s.* 6*d.* to 3*s.* 7*d.* per lb. on spot.

TURPENTINE is selling at 118*s.* for American on spot to licence holders. Liverpool is 121*s.*, Manchester 122*s.*, Hull and Glasgow 122*s.* 6*d.*

WAX, VEGETABLE.—Sales of Japanese parcels afloat have been made at 127*s.* 6*d.* c.i.f., and July-September shipment is quoted at 122*s.* c.i.f.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., June 6.

Although a fair quantity of goods offered the general tone was exceptionally poor, and owing to the absence of demand the auctions were concluded at 12.30. Cape and Zanzibar aloes was quite neglected, but Curaçao in boxes sold at a further advance. Japanese aconite sold at rather better prices, and for Sumatra benzoin again higher rates were paid. Cardamoms and gamboge continue neglected. Honey was again in large supply, but in view of possible action by the Food Controller buyers held off, and what little business was done was at a considerable decline. Ipecacuanha still inclines to the easy side in the absence of important demand. Myrrh brought an advance of 15*s.* Nux vomica remains scarce, and orange-peel retains its previous high prices. Rhubarb is quiet, with a scarcity of rough round High-dried; other grades are plentiful. A large quantity of native Jamaica sarsaparilla was disposed of at an advance of fully 3*d.* to 6*d.*; Lima was held for an advance of 6*d.*, but there were no buyers; no grey offered. Senna is about steady, but the undertone continues easy. Jamaica wax realised an advance of 10*s.* per cwt., but the market is quiet generally. The following table shows the quantity of goods offered and sold:

	Offered	Sold		Offered	Sold
Aconite-root	2	2	Cascara sagrada	250	0
Aloes—			Cascarilla	5	0
Cape	33	0	Cashew-nuts	2	0
Curacao	40	40	Chamomiles	18	0
Zanzibar, etc.	43	2	Chiretta	35	0
Ammon carb.	15	0	Coca-leaves	62	22
Anise (Sp.)	43	0	Colocynth	6	0
Anise, star	144	0	Condurango	5	0
Annatto-seed	60	0	Copaiba	15	0
Balsam peru	9	0	Coriander-seed	360	0
Belladonna-leaves (Fr.)	37	0	Cubebs	43	0
Benzoin—			Cumin-seed	5	0
Palembang	30	0	Damiana	8	0
Sumatra	60	57	Digitalis-leaves	32	0
Boldo-leaves	5	0	Dill-seed	123	0
Buchu	3	0	Dragon's-blood	6	0
Burgundy pitch	3	0	Elemi	15	0
Calamus-root	15	*15	Eucalyptus oil	113	0
Cannab. ind.	46	0	Euphorbia pil.	18	0
Cantharides	8	2	Fennel-seed	235	0
Carageen moss	6	0	Fenugreek-seed	100	0
Cardamoms	38	0	Galangal	10	0

* Sold privately.

		Offered	Sold
Galbanum		2	0
Galls		41	36
Gamboge		29	0
Gentian		206	0
Grindelia rob.		7	0
Gum acacia		16	2
Gurjun oil	(drms.)	90	0
Henbane		45	0
Honey—			
Argentine		79	22
Calif		60	60
Chilian		153	42
Cuban		1023	60
Jamaica		133	0
Porto Rico		33	0
Horehound		5	0
Hydrastis		3	*1
Insect-flowers		10	0
Insect-wax		4	4
Ipecacuanha—			
Cartagena		3	0
Matto Grosso		37	6
Minas		11	0
Jalap		10	0
Juniper berries		12	0
Kava-kava		11	0
Lime-juice	(pns.)	50	0
Mallow-flowers		2	0
Matico		30	0
Menthol		20	0
Milk-sugar	(ton)	1	0
Mint oil (Jap.)		20	0
Myrrh		13	11
Nux vomica		2	2
Olibanum		120	0
Orange-peel		34	10
Orchella-weed		3	0
Orris		26	26
Pot. permang.	(es.)	15	0
Quillaia, whole		29	29
Do. cut		8	0
Rhubarb (Ch.)		102	10
Rosemary-leaves		60	0
Sandarac		5	0
Sarsaparilla—			
Honduras		7	0
Lima-Jamaica		44	0
Native Jam.		26	23
Savin-leaves		10	0
Scopolia		4	0
Senna and pods—			
Alex.		53	0
Tinnevelly		291	38
Spike-lavender flow.		6	0
Squill		174	0
Stavesacre		7	0
Stramonium		3	0
Strophanthus		26	0
Tonka-beans		6	0
Tragacanth		100	10
Turmeric (ground)		19	14
Turpentine		1	0
Valerian-root		10	*10
Wax (bees')—			
Abyssinian		43	0
Chilian		120	22
East Indian		107	0
Italian		59	0
Jamaica		16	16
Mombasa		25	0
Mozambique		92	0
West Indian		1	1
Wax, ceresin		6	0
Wine-lees		48	0
Witch-hazel-bark		19	*19
Wormseed herb		11	0

*Sold privately.

Aconite.—Japanese is scarce, and for two bags of small thin genuine 62*s.* 6*d.* was paid, being rather firmer.

Aloes.—A lot of 43 boxes sold at a considerable advance on previous auction prices, from 130*s.* to 132*s.* 6*d.* per cwt. being paid for good liver, part slightly capey. Cape aloes was in reduced supply, but there was no demand. Dull seconds were retired at 55*s.* Two cases of Zanzibar sold at 67*s.* 6*d.* per cwt. The exports from the Union of South Africa during February were *nil*, against 17,162 lb. (167*l.*) in February 1917. For the two months ending February 18 the exports were 153,584 lb. (1,312*l.*), against 69,323 lb. (667*l.*) for the corresponding period of 1917.

Benzoin sold at very firm prices, of Sumatra 57 cases (practically all that offered) being disposed of at from 12*l.* to 12*l.* 2*s.* 6*d.* for fair seconds of partly storax flavour and slightly false packed ends. For 30 cases of good glassy Palembang 8*l.* per cwt. was wanted.

Boldo-leaves.—Four bales were offered, being held for 1*s.* 6*d.*, at which sales have been made.

Buchu.—Two bales of fair round green, slightly stalky, were bought in at 6*s.* 6*d.*, and a bale of fair greenish slightly stalky ovals at 6*s.* per lb. The exports from the Union of South Africa during February 1918 amounted to 22,937 lb. (4,166*l.*), against 9,169 lb. (1,268*l.*) in February 1917. The exports for the two months ending February 1918 were 23,467 lb. (4,219*l.*), against 20,920 lb. (3,392*l.*) for the corresponding period of 1917.

Cannabis Indica.—In auction 10 packages of American grown in the Carolina drug-gardens under U.S. Government Co-operation were bought in at 21*s.* per lb.; the oleo-resin content, according to Parry, was 15.3 per cent., and the product was therefore physiologically active and indistinguishable from the ordinary cannabis indica.

Cantharides.—Two cases of small, slightly broken, Chinese sold at 4*s.* 9*d.* per lb.

Coca-leaves.—A lot of 22 bags small thin inferior brown Ceylon-Truxillo sold at 5¼*d.* per lb.

Cubebs.—Several parcels of fair stalky genuine were limited at 18*l.* per cwt., at which small sales have been made privately.

Galls.—Several parcels changed hands, including fair plum-shaped Canton at from 170*s.* to 172*s.* 6*d.*, and usual shaped at 170*s.* Chips and dust went at 6*l.* 15*s.* and dust at 50*s.*

Gamboge is neglected, but the previous price of from 30*l.* to 33*l.* is asked for Siam pipe, according to quality.

Gurjun Oil.—A lot of 90 drums was catalogued, but samples had not been received in time.

Honey.—In reply to a correspondent, the Ministry of Food states that the rationing of jam and honey has been under consideration for some time past. Meanwhile, we understand that the Ministry of Food has asked certain Mincing Lane firms for a return of their stocks. There was practically no market at auction owing to the fear of possible action on the part of the Food Controller, and buyers held off. The consequence was that the small business effected was at a reduction of 20*s.* to 30*s.* per cwt. The chief sales consisted of 60 cases good amber to palish set Californian at from 160*s.* to 170*s.* per cwt., and 24 casks Cuban at 150*s.* to 157*s.* 6*d.* for amber set; 42 barrels light amber to pale set Chilian sold at from 180*s.* to 190*s.*, and 22 packages Argentine sold at from 180*s.* to 182*s.* 6*d.* for pale set. During the auction interval arrivals of good-sized quantities have taken place, part of which have passed into the hands of consumers and dealers. Previous to the auction Cuban has been selling privately at from 177*s.* 6*d.* to 182*s.* 6*d.*, as to quality.

Hydrastis.—Two bales of very dusty and dark were limited at 33*s.* per lb., and a bag had been sold privately.

Ipecacuanha is one of the few important drugs that has remained unchanged in price for a considerable time past, and no alteration is looked for at this period of the year. Tendency in auction was easier, fair bright sound Matto Grosso being obtainable at 11*s.*, but one buyer paid 11*s.* 6*d.* for a bale of dull grey. Five bales of Matto Grosso sold at 9*s.* 3*d.* for lean and slightly water-damaged, 7*s.* 1*d.* for badly damaged, and 5*s.* 3*d.* for partly rotten and black.

Insect-wax.—Four bales of fair Chinese sold at 19*l.* 10*s.* per cwt. subject to seller's approval.

Jalap.—For 10 bales analysing 16.52 per cent. 2*s.* per lb. was asked.

Myrrh sold at an advance of 15*s.*, 12 bales being disposed of at 12*l.* for fair, slightly blocky Somali sorts, and old brown dusty Aden sorts went at the same price.

Nux Vomica.—Two bags of bold clean bright Cochin sold at 71*s.*

Orange-peel.—Ten bags of dull Tripoli strip sold at 2*s.* 6*d.* per lb.

Orris sold at much higher rates in auction, 24 bags of fair bold Florentine sorts (in prize) realising 125*s.* to 127*s.* 6*d.*, and for sea-damaged 107*s.* 6*d.* per cwt. was paid.

Quillaia.—A lot of 29 bags fair sold at 70*s.* per cwt., and for cut 85*s.* was wanted.

Rhubarb.—Quiet. Three cases of medium to bold flat High-dried sold at 2*s.* 2*d.*, and for a similar parcel in another catalogue, consisting of small to medium flat High-dried, 2*s.* 2*d.* was also paid. Medium to bold round good Shensi, orange coated, with three-quarters good fracture, was limited at 3*s.* 6*d.* Two cases of medium to bold round horny High-dried, with three-quarters pinky fracture, sold 1*s.* 9*d.*

Sarsaparilla.—The principal demand was for native Jamaica, 23 bales of which sold readily at a further advance of from 3*d.* to 6*d.* per lb. Fair red, also dull red and yellow mixed, sold at from 4*s.* 8*d.* to 4*s.* 10*d.*; dull red and yellow mixed, 4*s.* 5*d.* to 4*s.* 7*d.*; and common yellow and part mouldy at 4*s.* 3*d.*

Senna.—Very quiet, with a continued easy undertone. Nine bales of small dark Tinnevelly *pods* sold at 3½*d.*, and 36 bales of Tinnevelly leaf were sold at from 3¼*d.* to 3½*d.* for ordinary small to medium yellowish leaf, and at 3¾*d.*, subject, for fair greenish.

Turmeric.—A lot of 19 bags ground, of bright colour, sold at 95*s.* per cwt. net, no draft.

Wax, Bees'.—Quiet; 15 packages Jamaica sold at an advance of 10*s.* per cwt., 13*l.* being paid for fair red and brown mixed; 22 bags Chilian sold at 10*l.* 15*s.* for fair greyish and yellow. Private market remains firm, Mozambique block selling at from 9*l.* to 9*l.* 10*s.*, as to quality. A lot of 187 packages good brown Portuguese East African block offered, and a bid of 9*l.* 7*s.* 6*d.* is to be submitted for part, the broker being without instructions.

Japanese Agar-Agar.

The manufacture of agar-agar is, as a rule, begun towards the close of the year, and is finished at the end of February. It was started some three centuries ago, but still there is no departure from the primitive method of production. Nor is it systematised or developed into a factory industry, although a new company has recently been projected to combine many private and small concerns. Therefore no accurate and up-to-date estimate of its production can be obtained, but it is said that the total value of the annual production is, roughly, 3,000,000,000 yen. In Japan itself only a small portion of the output is used in foodstuffs, the bulk being exported. In 1915 the shipments were 2,202,613 lb., valued at 1,706,064 yen, but in 1916, owing to increased demand and rising prices, the value reached 2,446,862 yen, while the volume stood at 2,785,710 lb. Last year the shipments fell to 2,102,629 lb. and the value to 1,954,983 yen. Before the war China and Germany were the largest buyers, but since the war the United Kingdom, Russia, and China have been the largest buyers: now the United States hold the first position. As to the after-war prospects, the Japanese Government issued a hopeful statement some time ago in one of its reports, but much doubt is entertained respecting this year's trade.

English-grown Belladonna.

SIR,—With reference to the letter on belladonna-cultivation at Dorking, reprinted from "The Times" in the *C. & D.*, May 25, p. 36, it was stated therein that this drug came "almost exclusively from Germany before the war." We should like to point out that belladonna has been grown here on a large scale for the last seventy years. It is also cultivated to a considerable extent in other parts of the country.—Yours faithfully,

Hitchin. WILLIAM RANSOM & SON, LTD.

Pyramidon Trade-mark.

SIR,—That pyramidon is still on the Register of Trade-marks as the property of alien enemies, as mentioned by you in your reply to "Gaucho" (*C. & D.*, June 1, p. 52), is surely an urgent plea for the Pharmaceutical Council to deal with such matters. Great credit is due to THE CHEMIST AND DRUGGIST for focussing attention on these conserved benefits for the unspeakable Boche. Pyramidon is still ordered under its original name, and appears to be the only one doctors know. I wonder how long we are to wait for a representative body to show initiative in doing a right action!

16 Priory Gardens, N. 6. HERBERT SKINNER.

Price-changes.

SIR,—As one of the largest wholesalers, we are intensely interested in the question of the notification of altered prices to the retailer. We are, and have been, doing our utmost to give the retailer fair treatment, and to that end we have, at great expense, continued to issue our monthly list of price-alterations. Unfortunately, owing to the very severe paper restrictions, we are compelled to reserve the distribution of this list to our customers only. But when Mr. Williams in his letter (*C. & D.*, June 1, p. 51) says "the wholesaler must know the price at which the maker sold his goods to them," he is assuming that the makers give previous intimation to the wholesaler, which in very many cases is quite incorrect. Frequently the only information we have is from the trade papers, which are equally available to the retailer, and very often goods which customers are urgently wanting are sent out immediately on arrival before there is opportunity to adjust the prices, and money is actually lost thereby. Another difficulty is that makers frequently nowadays deliver goods which have advanced in price, but still bearing the old retail price on the containers, without any indication at all that the prices have gone up. This is very unsatisfactory for both wholesaler and retailer, but, owing to the urgent demand and shortage of supplies, goods cannot be refused on this account. Many lines are continually running out of stock, and when supplies do arrive after much delay, they are often not sufficient to last more than a few hours. Orders, too, have mostly to be placed for execution at prices ruling on the day of delivery without any idea what such prices will be. Manufacturers, wholesalers, and retailers all have their difficulties to contend with, and if any are fortunate enough not to be numerically short of clerks as suggested, even then they must be struggling with inexperience and inefficiency, which is quite as bad. In Mr. Williams's final paragraph he rather suggests that the wholesalers' slogan should be "Business as usual." We only wish it could be. Yours faithfully,

London, N.W. 1. SANGERS.

Examination Failures.

SIR,—I endorse all Mr. D. B. Dott states in his article on the Qualifying examination (*C. & D.*, May 25, p. 44). Having undergone the ordeal twice without success I can speak from bitter experience. I was never examined as to my general knowledge and capability, but was practically plucked before I was in the premises half an hour, this happening on both occasions. I am speaking about the examination as it was conducted some eighteen years ago. An insoluble salt in the Practical Chemistry examination was the cause of my downfall the first time. I was given aluminium silicate, and well I remember how the learned professor smiled at my puny and desperate efforts to solve the mystery, little dreaming of the mental anguish I was suffering. I saw all my long nights and days of study wasted, to say nothing of my hard-earned savings. The young man next me was more fortunate, as anyone with half an eye could spot his salts without any analysis. This shows the unfairness of the whole examination. No two get the same salts to analyse, nor get the same questions to answer. Every one gets a different examination. Another strange thing about the Minor is that men get plucked in subjects in which they have previously passed. Why should men be examined in a subject they have passed in previously? I know students who have got through the practical work the first day and came down in botany, and then when they went up a second time got plucked the first day, work they had already passed in. "What a game it all is!" That the Minor needs revision is patent to anyone who has been through the mill. Not having the time nor money I am still one of the many "stucks," and although twenty-nine years in the trade am still unqualified through the vagaries of a learned professor who was evidently bent on finding out what I didn't know and not what I knew.

Yours truly,

UNQUALIFIED. (95/44.)

Early Apothecaries.

SIR,—I doubt whether anybody, from prince to peasant, in fourteenth-century Scotland could distinguish between an apothecary and a physician. Froissart, who visited the country in 1360, described its inhabitants as "gens sauvages." Tytler, the national historian, informs us that at the time of David II.'s death in 1370 no member of the Scottish aristocracy could write his name. Even as late as 1540 legal documents were never signed, because outside the small professional class of writers none knew how to put pen to paper. Nor could Henbane Dwining have taken a degree in his native land, seeing that prior to 1411 there was no university north of the Tweed.

Yours faithfully,

L. (94/39.)

The Use of Henna.

SIR,—In the *C. & D.*, May 18, p. 52, was a reply to a correspondent on the subject of the darkening of the hair with henna, about which I should like to offer the following observations: Henna is now a most misleading term, and is variously applied to the pure product, which, used on the hair, colours and discolours simultaneously, and to chemical compounds having henna as a base. The chemical additions increase the action of henna, and in the darker shades provide an actual dye, with henna as a mere vehicle, suitable and convenient for the method of application. In the case under notice the so-called henna was undoubtedly a mixture of henna-powder (cupri chlor., etc.), and, being imperfectly mixed, the copper, in excess, has given the green tone to the hair. In my own practice I am careful to avoid such an imperfect mixture, and so have had no occasion to remedy such a defect. It has been my misfortune, through many years, to meet all conceivable colours on the hair, due to careless applications of any and every hair-dye, and when I have ascertained the source of the trouble I have had a measure of success in securing fairly neutral results without injury to the hair. *En passant*, in the green or slaty-green resulting from a silver stain complicated with natural grease or applied oil I find that the hair becomes almost impervious to other applications, resembling the "water on a duck's back." Yours faithfully,

ALFRED M. SUTTON.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Harris Tweed Odour.

Subscriber (92/38), referring to the reply in the *C. & D.*, May 25, p. 52, as to a liquid for imparting the odour of Harris tweed to cloth, states that Thos. Kerfoot & Co., Bardsley, make a preparation known as "Harrisol" which is used for the purpose indicated.

Preserving Lemons.

Pietro (8/19) writes: "In reference to your suggestion that lemons could be preserved by burying in silver sand, I remember some years ago a chemist put forward the idea of varnishing lemons with a solution of shellac in spirit. This preserves the fruit from deterioration, and when the peel is required the shellac is readily removed by kneading the lemon in the hands and washing off the powdered shellac."

Bee-disease.

Mr. P. J. Ashfield, Rhyl, writes: "I had four hives. In November last, finding one hive was empty of honey, half a pound of candy was put in. The bees were then quite lively. On looking a week after they were dull and apparently stupefied, and a few days after they gradually died off. The other three hives had honey in their brood foundations. Those also had half a pound of candy. In about three weeks' time they also began to be dull, and nine days afterwards they were all dead. The bees were quite healthy and clean, also the hives."

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

W. F. (89/34) ordered from a traveller on April 30 a quantity of a proprietary article, no reference being made to the price. On May 1 the manufacturers raised the price of the article, and on May 14 invoiced the goods at the advanced price. "W. F." declines to pay the increase in the price, and the manufacturers have called upon him either to pay the increase or return the goods. How does "W. F." stand? [We are of opinion that "W. F." is entitled to retain the goods at the lower price ruling on April 30 when the contract was entered into.]

Doubtful (88/7) asks what return for income-tax should a person make whose net income is 500*l.*, out of which 100*l.* is saved and invested in War Loan. He wants to know if it should be (*a*) income 400*l.*, War Loan 100*l.*; or (*b*) income 500*l.*, War Loan 100*l.* [Neither of the returns suggested would be correct. If 500*l.* is the net income for any tax year, that amount must be returned whatever the taxpayer may do with the income when he receives it. If, in fact, 100*l.* of it is invested in War Loan in any year, the interest on this is to be returned for income-tax in the next year's return; and if the income from other sources is still 500*l.*, the return to be made would be: Profits of trade or business, 500*l.*; interest from 100*l.* War Loan, 5*l.*; total income liable to tax, 505*l.* Of course, if the 100*l.* had been invested in War Loan last year the total taxable income for this year would also be 505*l.*]

Lindum (94/5) asks what steps must be taken in order to make a change of surname legal. [There is no legal objection to anyone changing his name, providing he is of British birth or naturalisation, and no special formalities need be adopted. In order to obviate the confusion which the change may involve, it is, however, customary to adopt one of three courses—namely, to obtain a Private Act of Parliament, to obtain a Royal Licence, or to execute a deed poll. The method commonly adopted is the last-mentioned, the procedure being as follows: The person wishing to change his name executes a deed poll declaring his intention to assume the new name. The deed, when executed and attested, may be enrolled for purposes of record in the Central Office of the High Court. In addition, it is usual to give notice of the assumption of the new name, and of the execution of the deed poll by advertisement in the "London Gazette" and one or more newspapers.]

B. C. B. (88/18) wants to know how EXCESS-PROFITS TAX applies in the case of a sale of stock with a business. He bought a branch-shop some time ago for 600*l.* all at, and having then a stock of, say, 200*l.*; and now as he has a prospect of selling the shop for 1,000*l.* all at, he asks if the Revenue authorities will be able to charge him excess-profits tax on the increase in the price which is to be attributed to an increase in the value of the stock. Part of this increase in value, he says, is due to his purchase of additional stock. [Excess-profits duty would not be chargeable on a profit made on the sale of a business in the circumstances. The tax is imposed only on the excess profits arising from a trade or business, and as the buying and selling of shops is not the trade or business carried on by "B. C. B.," we do not think he is liable to pay the tax on any profit he may happen to make on an individual sale. The fact that the value of the stock is included in the price paid for the concern makes no difference to this. Should the Finance Bill pass through Parliament in its present form the law on this point will be modified.]

W. W. T. (84/45) wishes to know if, in sending in his income-tax returns, (1) it is allowable in the case of a new business to take account of the cost of fittings and apparatus in calculating the year's profits; and (2) as he and his wife, who assists him in the business, spend their time on the premises all day but sleep elsewhere, should the whole or only two-thirds of the rent of his premises be deducted as a business expense? [We do not think this deduction would be allowable, as the expenditure appears to be a capital one; but in the case of a business already in existence, provision is made for allowing for the supply or repair of implements, utensils, and articles employed not exceeding the sum usually expended for such purposes based on the average of the three preceding years. (2) As the premises in this case appear to be used solely for the purposes of the business, and not as a dwelling-house or place of residence, a deduction is allowable in respect of the whole of the rent or annual value, but the sum deducted is not to exceed the amount of the assessment of the premises for Schedule A (landlord's property-tax).]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Radix (80/52).—"SWEET OIL."—A correspondence in THE CHEMIST AND DRUGGIST in 1909 showed that there is considerable difference of opinion in regard to what should be supplied as "sweet oil." The majority favoured olive oil or colza oil, the latter being most used on account of its cheapness. We should not regard a mineral oil as supplying what a customer needs when sweet oil is asked for.

F. H. F. (138/21).—MILITARY HOSPITALS' FORMULARY.—There is no book published giving further particulars of the formulas in use in military hospitals than were given in *The Chemist and Druggist Diary*, 1918. You could, however, turn up the original articles in the medical journals for the past three or four years—these will be available at your hospital—and in many cases where the information was from THE CHEMIST AND DRUGGIST fuller details were given at the time.

L. J. (86/21).—HORSE-BLISTER.—The following is the formula you require:

Hydrarg. biniodidi	ʒij.
Ol. olivæ	ʒiv.
Adipis lanæ	lb j.

Mix the mercuric iodide and the oil together in a mortar, then add the lanolin.

F. E. M. (86/67).—The exact formula of the proprietary article you mention is, we imagine, kept strictly private by the owners; anyhow, we are unable to tell you "the exact quantities and ingredients . . . similar in every particular."

Nemo (83/34).—SOLID BRILLIANTINE:

Castor oil	15 oz.
Spermaceti	4 oz.
Bergamot oil	2 dr.
Palma-rosa oil	1 dr.
Geranyl acetate	30 drops

Melt the spermaceti, add the castor oil, allow to cool somewhat, then incorporate the perfumes.

Maynooth (88/65).—DERMATITIS CAUSED BY DEVELOPER.—The skin-poisoning brought about by the use of amidol or metol is often referred to in the photographic papers. The trouble is due to idiosyncrasy, and persons who have once been subject to the disease should avoid the use of these developers in future. The treatment is local, the following having been recommended:

I.

Sp. camphor. ...	ʒj.
Glycerini	ʒj.
Ac. carbolic. ...	♏xx.

Apply to the affected parts after washing.

II.

Ac. carbolic.	gr. xl.
Pulv. oalamin. ...	ʒij.
Zinci oxid.	ʒj.
Glycerin.	ʒij.
Aq. calcis	ʒj.
Aq. rosæ ad	ʒiv.

Apply during the day, and at night use the ointment.

III.

Ac. salicylic.	gr. xv.
Ac. borici	ʒj.
Pulv. amyli	ʒij.
Zinci oxidi	ʒj.
Paraff. molle	ʒj.

Another treatment consists in painting flexible collodion on the cracked parts of the skin. This should not be applied too thickly, and when making a fresh application the previous coating should be removed by means of ether.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1868.

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It appears, on the authority of the "Spectator," that Sir Robert Napier had an apparatus for employing the magnesium light on a grand scale in the event of a night attack. "At a distance of 600 yards a bewildering blaze of light would have been thrown into the eyes of the Abyssinians; and the British, themselves in impenetrable shadow, would have shot down their lustrous enemies at leisure and at once."

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OFFICE: 42 CANNON STREET, E.C. SATURDAY, JUNE 8, 1918.

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11.—NORTH OF ENGLAND.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures; about £250.

12.—WEST MIDDLESEX.—High-class Dispensing and Retail Business; returns upwards of £3,000; *net profit* £500; terms, valuation of stock and fixtures, and premium for goodwill to be arranged equitably.

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LONDON, N.—Shop, d.f. Chemist's; completely and well fitted; established over 20 years; chance to pick up good business cheap; rent £60. Owner, 160 Stoke Newington Road, N.

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AN unique offer of a very old-established Business on easy terms, which, with capital, can be much extended; vendor has important appointment, and will consider any reasonable offer; valuation terms about £300, business averaging £750: half cash, balance, six months, or to suit; 3 months rent free; lease granted; no agents; bona-fide purchasers only. Apply 91/59, Office of this Paper.

DRUG Stores for Sale; South Birmingham; profitable and progressive trade; good prospects for qualified or unqualified person; good reason for selling; goodwill, etc., moderate, stock at valuation. Write 153/26, Office of this Paper.

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3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation, under £400.

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5.—LONDON, S.W.—Good-class Retail and Dispensing Business, in fine position, close to busy station; returns £1,000; no panel; clear net profit over £300; books properly kept; scope for increase, owner retiring; price for early sale, £500; part could remain; strongly recommended.

6.—LONDON (Western Suburb).—Light Cash Retail and Dispensing, with Photographic; busy main road; returns over £2,000, increasing; low rent; long lease; corner premises; well stocked; owner retiring; price £800.

7.—WEST MIDDLESEX.—Progressive Cash Retail and Prescribing Business; returns average over £26 weekly; practically unopposed; low rent; on lease; selling solely through ill-health; price £400; part can remain.

8.—LONDON SUBURB, S.E.—Cash Drug Stores, in good position; plenty of scope; returns £500; *net profit* £220; books properly kept; low rent; corner shop; good house; well stocked; price £250.

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We have the first two weeks of June still open, and can undertake one or two large stocktakings during that period. Appointments should be made early to avoid dates clashing. Terms sent on application; 45 years' practical experience.

FOR SALE.

COMPLETE Fittings for Chemist's Shop for Sale; solid mahogany Shop Rounds, bevelled mirrored Dispensing Counter with five small Showcases, marble-top Sponge Case, two Carboys and Stands, Counter with Desk, and Front Show Case; everything as taken from shop; fittings without a scratch; estimated value £160. What offers? "Pharmacist" (157/26), Office of this Paper.

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FOR Sale, Tablet Machine Motor, Shafting, etc.; makes 170 per minute; with registered Trade Mark of proprietary article; money to be made. Apply "Midland," Box 165/9, Office of this Paper.

MIXERS.—"Werner & Pfleiderer" heavy double-bladed Mixer, size of mixing pan 2′ 10″ × 2′ 4″ × 2′ 9″, capacity to a consistency of putty, about 6 to 8 cwt.; also "Werner" double-blade Mixer for power drive, size of pan 12″ × 13″ × 12″, capacity to a consistency of putty, about 70 lb.; strong double-blade Mixer, Hodgkinson type, blades working in opposite directions, size of mixing bowl 24″ × 24″ × 30″, capacity to a consistency of putty, about 4 cwt. (for power drive); one ditto, size of mixing bowl 18½″ × 17½″ × 24″, for power drive, capacity to a consistency of putty, about 2 cwt.; one ditto, size of mixing bowl 14″ × 14″ × 18″, for hand and power, capacity to a consistency of putty, about 1 cwt.; one ditto, size of mixing bowl 9″ × 9″ × 12″, for hand, capacity to a consistency of putty, about 50 lb.; one Dry Powder Mixer by "Hugo Jacobi," Leipsig, for hand, drum pattern, size of drum 3′ 2″ × 24″ diameter. Each machine guaranteed perfect and in first-class condition. The Silicate Fire Cement Co., 62 Pershore Road, Birmingham.

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AMALGAMATION.—Old-established and prosperous London firm of Wholesale Chemists, owning valuable specialities, would amalgamate with high-class firm. Apply, in strict confidence, principals or solicitors only, to Box No. 1385, c/o Messrs. R. F. White & Son, General Advertising Agents 33 Fleet Street, E.C. 4.

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JAMES McKENZIE,
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Tenders should be delivered at the Offices of the Auctioneers by 4 p.m. on MONDAY, JUNE 24th.

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SITUATIONS OPEN.

RETAIL.

BALHAM.—Assistant required; ineligible or discharged; reliable, trustworthy, and capable; with knowledge of photography; abstainer preferred; good salary to competent man. Apply by letter, Cooper, Chemist, Balham, London, S.W.

BARNES, S.W.—Lady Assistant wanted; some experience in Dispensing and Retail necessary. Apply, stating usual particulars, to Feltwell & Son, 90 Church Road, Barnes, S.W. 13.

BIRMINGHAM.—Assistant wanted. Hours: 7.30 to 6 p.m.; 12 a.m. Saturdays. Apply Cuxson, Gerrard & Co., Ltd., Oldbury.

BOURNEMOUTH.—Outdoors Assistant, lady or gentleman (if gentleman must be ineligible) for good-class Dispensing business; knowledge of Dispensing and Retail. Apply, with full particulars, references, and salary required, Lodder, Chemist, Boscombe Park, Bournemouth.

BRIGHTON (outdoors).—Assistant required (at once); Dispensing and Retail; easy hours. Apply with full particulars, and photo if possible, J. Colby & Co., 101 Western Road, Brighton.

CARDIFF.—Duck & Son, Chemists, St. John's Square, have vacancies for two Assistants (Lady or Gentleman). Apply stating usual particulars and salary required (outdoors).

CHELTENHAM.—Lady Assistant; reliable Dispenser; in- or out-doors; business honrs 8.30 a.m. to 7 p.m., evening duty 7-9 p.m. twice a week. Beetham & Clark, Cheltenham.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

KIDSGROVE, STAFFS.—Assistant, experienced, qualified or unqualified, discharged man or low category, wanted; Light Retail; cash trade only. Send recent references, age, salary reqnired, Griffiths, Chemist, Kidsgrove, Staffs.

ILFRACOMBE.—Wanted, unqualified Assistant for good-class Retail and Dispensing; with knowledge of photography; discharged or ineligible. Apply, with full particulars, to W. Moon, 2 High Street, Ilfracombe.

LIVERPOOL.—Wanted, reliable unqualified Assistant, capable of taking charge of Drug and Dispensary department. Apply 162/14, Office of this Paper.

LONDON.—Lady Dispenser wanted, and to assist at Counter; £2 10s. weekly; reasonable hours. "Senega" (161/33), Office of this Paper.

LONDON, N.E.—Lady or ineligible Gentleman Assistant for Dispensing and Counter; short hours. State age, experience, and salary required (outdoors), "B. T.," (164/14), Office of this Paper.

LONDON, S.W.—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R.," (162/3), Office of this Paper.

LONDON, S.W.—Assistant; qualified preferred; experienced, capable of taking charge; duties light; no N.H.I.; Sundays free. Send full particulars to 97/27, Office of this Paper.

LONDON, S.W.—Manager, qualified, Locum for five weeks altogether; in periods of one or two weeks during July, August, or September; middle-class Retail and Light Dispensing. Goodall, Pharmacist, 66 Lower Richmond Road, Putney.

MANCHESTER.—Wanted, a Junior Assistant; male or female; outdoors. Bates, Chemist, Brooks's Bar

MANCHESTER.—Lady Pharmacist required, where other lady Assistant is kept; comfortable berth, with progressive salary; every inducement given. Apply, with full details, to 164/280, Office of this Paper.

MANCHESTER.—A position will shortly become vacant for qualified Branch Manager which will suit elderly man, discharged, or even one who requires only a few hours daily. Please give all particulars, stating if full time desired and salary reqnired, for immediate answer to 164/28, Office of this Paper.

NORTH Wales Coast.—Lady Assistant wanted in Retail Dispensing; photographic business; others kept. Apply, with particulars, experience, etc., to Williams, Medical Hall, Holyhead.

SHEFFIELD.—Unqualified lady (or man, discharged or exempted military service) for Counter; outdoors; cash trade; Thursday half-holiday, no Sunday duty. Please give full particulars of experience, salary required, and enclose photo, H. G. Williams, 118 The Moor.

SOUTH OF ENGLAND.—Assistant reqnired (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTHAMPTON.—Qualified Manager; good-class Store and Dispensing business; capable, trustworthy. Please send full particulars Frost, Portswood Road, Southampton.

SOUTHSEA.—Wanted, Assistant (Lady or Gentleman) for Dispensing; outdoor. Please give full particulars, enclosing photo if possible. T. A. White, Elm Grove Pharmacy, Southsea.

SURREY (12 miles from London).—Capable Manager wanted for good-class Store, Chemist's business; outdoors; good salary to suitable man; must be ineligible for military service; good references essential. Apply, with full particulars, to S.C. Box 164/13, Office of this Paper.

WEST RIDING.—Wanted (immediately), qualified Assistant, ineligible, for general and cash business; easy hours, no Sunday work. State age and full particulars and references, 160/40, Office of this Paper.

WINDSOR.—Locum wanted for three or four weeks, the end of July or early August, for Cash Retail and Dispensing business. Apply, stating age and salary required (indoor or outdoor), with references, to R. W. Houfe, Pharmaceutical Chemist, Windsor.

WOKING.—Wanted, capable Assistant for Dispensing; lady or gentleman; outdoors; good-class Dispensing business; hours 9 to 7. Apply, stating salary required, etc., to A. Lloyd Davies, Chemist, Woking.

WORCESTER.—Qualified Assistant for Dispensing Counter (lady or gentleman); easy hours, no Sunday duty. Please state full particulars, salary (outdoors), to E. J. Kitson, City Drug Stores, Worcester.

WORTHING.—Lady Assistant wanted, with Dispensing experience; outdoors; good-class business. Send particulars, with reference, to W. Aston, Pharmaceutical Chemist, Worthing.

AN energetic gentleman, who must be over military age, to assist in the management of Retail and Dispensing business in centre of populous town; applicants need not be qualified, but must have all-round knowledge and experience of the Drug trade, and be able to produce undeniable references. Apply 161/32, Office of this Paper.

APOTHECARIES' HALL, BLACKFRIARS.—Lady Dispenser wanted; Hall qualification.

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APPLICATIONS are invited from Qualified Women Pharmacists for the appointment of ASSISTANT DISPENSER at the Paddington Infirmary and Outdoor Dispensary.

Salary £120 per annum. Hours 9.30 a.m. to 6 p.m. Saturdays 2 P.M., and about two hours' duty alternate Sundays.

For form of application send stamped addressed envelope to the undersigned.

By Order,

S. J. LANGFORD,
Acting Clerk to the Guardians.

Guardians Offices, 313-319 Harrow Road, W. 9.
June 5, 1918.

ASSISTANCE wanted four evenings a week; Dispensing and Stock. Central Pharmacy, 811 Fulham Road, Fulham, S.W. 6.

ASSISTANT wanted; lady or ineligible; qualification not essential. Full particulars, references, and salary required in first letter, 162/18, Office of this Paper.

ASSISTANT, lady or gentleman, qualified, to dispense N.H.I. and assist in Chemist's business as Locum for about six weeks. Apply, stating references, salary, etc., Barron, Chemist, 77 High Street, Croydon.

ASSISTANT wanted (almost immediately) in good-glass business; one with some general experience; hours very easy. State salary, references, and photo (promptly returned), Nicholls, Pharmacist, Chelmsford.

AASSISTANT for the Dispensing Counter. Full particulars to "W. H. J.," c/o Allen & Hanbury, 37 Lombard Street, E.C.

ASSISTANT, outdoor (Lady or Gentleman); knowledge of Dispensing and Retail; no N.H.I. work. Apply, G. W. G. Robinson, M.P.S., 307 Railton Road, Herne Hill, S.E. 24.

ASSISTANT (young Lady or Gentleman) wanted for Counter and stock; usual hours and weekly half-holiday; state experience and salary required. Apply to Messrs. Prosser Roberts Co., Pharmaceutical chemists, 13 Church Street, Camberwell, London, S.E. 5.

AUGUST.—Experienced lady Assistant; good Dispenser and general knowledge; easy hours; outdoors; two kept; Midland market town; good-class Dispensing and Light Retail. Salary, photo, etc., to 162/20, Office of this Paper.

CAPABLE Assistant (outdoors), preferably qualified, for two or three months in good-class Light country Retail; hours easy, no Sunday duty. Full particulars to Cooper, Chemist and Optician, Swaffham, Norfolk.

CAPABLE, unqualified Assistant as Under-Manager; outdoors; please state age, experience, salary, and when disengaged. Bramleys, 87 Holyhead Road, Handsworth, Birmingham.

CHEMIST; unqualified; rejected or discharged from the Army; must have good references. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

COUNTRY; 30 miles from London, near station; lady or gentleman (ineligible); outdoors; no night nor Sunday duty; best references; age, height, and salary required. "C. S." (160/21), Office of this Paper.

DISPENSER, experienced, wanted for mornings 10-1, and evenings 5.30-8.30. Also Temporary Assistant required for a few weeks. Apply to Mr. Evans (Foster & Dallas), 1 Lavender Hill, Clapham, S.W. 11.

DISPENSER, unqualified, required for three months; lady or gentleman. Apply, giving full particulars of experience, also salary required, to Mr. Reid, 2 Queen Street, Exeter.

DISPENSER (Lady or Gentleman), with Minor qualification, wanted for Black Country business. Apply, Eados, Ltd., 21 Owen Street, Tipton, Staffs.

DISPENSING Assistant (qualified or unqualified); ineligible for Army; outdoors; permanency; hours 8 to 6. Write, giving fullest details of experience, references, and salary, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

GOOD reliable Dispenser wanted (at once); knowledge of Counter work an advantage; good progressive salary to right person. Apply, giving references, to "M." (97/550), Office of this Paper.

JUNIOR Assistant wanted (lady or discharged soldier) for sea-side business; Dispensing, with knowledge of Photography preferable. State age, height, references, salary required, to Holman, Ham & Co., Ltd., Market Street, Exeter.

IF you cannot fight the Germans, perhaps you can manage our Branch. We will pay you £3 15s., and not overwork you. Apply "Progress," 163/33, Office of this Paper.

IMMEDIATELY, Stockkeeper and Window-dresser: Lady, age 18-30; previous experience an advantage, but not essential; must be an honest, reliable worker. State full particulars as to age, salary required (outdoors), Chater, Chemists, Watford.

JUNIOR Assistant (unqualified) required; lady or gentleman; good-class Light Retail and Dispensing business; time for study if desired. Apply S. W. Dawson, 56 Knight's Hill, West Norwood, S.E. 27.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

LADY Pharmacist required (immediately) to carry on (with the assistance of two experienced ladies) a main Retail business; no Sunday duty, short business hours. Apply, stating experience, salary required, and references, F. A. Moore, Pharmacist, Gravesend.

LADY Assistant, Minor qualification, chiefly for Dispensing; short hours, Saturday half-day. Apply Mr. Longstaff, John Barnes & Co., Ltd., 191-217 Finchley Road, N.W.

LADY Dispenser wanted (at once). State experience, salary required (indoors), to Cruse & Co., Ltd., 63 Palmerston Road, Southsea.

LADY Assistant for Dispensing and Counter. State age, experience and salary, photo required (outdoors), Harry Wetton, The Pharmacy, White Street, Coventry.

LADY Dispenser, with good experience, required for a West-end Pharmacy; light hours; no Sunday duty. Apply, with full particulars, to Lewis and Burrows, 146 Holborn Bars, E.C. 1.

LADY Assistant or discharged Soldier (part-time not objected to); Minor, Counter and Dispensing; good-class business; South Coast town. Apply, with particulars and references, to Longman, Littlehampton.

LADY Assistant required; Hall preferred; chiefly for Dispensing; please state experience and usual particulars to Latimer, Chemist, 24 Market Place, Loughborough, Leics.

LOCUM wanted, lady or gentleman, qualified, for three weeks in June or July. State usual references, experience, and salary required (Newcastle-on-Tyne district), 162/37, Office of this Paper.

LOCUM, qualified or otherwise, wanted from June 24th to September 2nd, in high-class business. Apply J. T. Davies (Chemists), Ltd., 13 Walter Road, Swansea.

LOCUM; £5 a week; fortnight commencing June 16th. Terms and references to "South Wales," 165/2, Office of this Paper.

LOCUM wanted; middle July to end of September; £4 per week (outdoors). W. D. Hall, Chemist, Skegness.

LOCUM-TENENS, qualified, outdoors, required for two weeks; June or July, preferably June. Hours: Monday, Tuesday, Wednesday, 9 to 7.30; Thursday, 9 to 1; Friday and Saturday, 9 to 8. No Sunday or night duty. Apply, with full particulars, to W. Reeson, Chemist, Erith, Kent (12 miles from London Bridge).

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED man, ineligible, for Manchester business; hours 8.30 a.m. to 6.30 p.m., 1 o'clock Saturday State full particulars, 93/62, Office of this Paper.

QUALIFIED Manager wanted for Light Retail and Dispensing; N.H.I. and Photography. All particulars and references to H. Knight, 21 Merton Road, Wimbledon.

QUALIFIED Manager wanted (end of month); abstainer preferred. Send references, also photo and state salary required, to Cooling, 103 Victoria Street, Grimsby.

QUALIFIED Manager for Branch in industrial and mining village three miles from Wrexham; roomy house; commission; close to beautiful country; healthy, bracing spot; permanency. L. Rowland & Co., Wrexham.

QUALIFIED Assistant (ineligible) wanted in a West-End business; outdoors. Apply by letter to S. W. Ord, 3 Hanover Street, W. 1.

QUALIFIED Assistant wanted for Dispensing; also part-time Assistant. Please give full particulars to Frank A. Rogers, 327 Oxford Street, W. 1.

QUALIFIED Manager wanted for Branch; ineligible, or fully qualified lady. Apply, with full particulars, age, experience, salary required, etc., photo if possible, to W. T. Hicks & Co., 28 Duke Street, Cardiff.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (162/300), Office of this Paper.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (162/301), Office of this Paper.

QUALIFIED Branch Manager wanted; good experience of management and knowledge of photography; must be ineligible for military service; references must bear strictest investigation; good salary and commission to good man. Apply 97/55, Office of this Paper.

QUALIFIED Assistant; ineligible for military service. Apply, giving full particulars, to A. J. B. Cooper, of Cooper, Sons & Co., Ltd., 80 Gloucester Road, Kensington, S.W.

QUALIFIED Manager wanted, about 35, for good-class Family and Dispensing business; with photography. Apply, with full particulars of experience and salary required (outdoors) to R. C. Harrison, Ph.C., Grayshott, Hindhead.

REGISTERED or Qualified, elderly or physically unfit. Comfortable permanency in old-established Drug Stores. Light duties; or superintendence only; short hours, Smith, 20 Calabria Road, Highbury, N.

REQUIRED, two Lady Assistants, one for Dispensing, one for Counter; liberal salary; short hours; no Sunday duty; near London. 161/36, Office of this Paper.

REQUIRED, Assistant; Lady or Gentleman; Dispensing and Counter; outdoors; near London; short hours; no Sunday duty; progressive salary. 161/360, Office of this Paper.

REQUIRED, lady Counter Assistant, with experience in the selling of Perfumery and Druggist Sundries in ordinary demand; smart appearance; hours of work 8.45 to 6 o'clock, 1 o'clock Saturdays. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED, lady Dispenser; hours of work approximately 8.45-6 o'clock, 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

TEMPORARY Assistant (Lady or Gentleman), accustomed to Dispensing, wanted for a fortnight, commencing July 15th; wages 45s. weekly; indoors; and railway fare. Rex, Allen, Chemist, West Bromwich.

UNQUALIFIED Assistant (outdoors), must be ineligible, for good-class Cash business. Full particulars to Durbin Bros., 131 High Street, Putney, S.W. 15.

WANTED, thoroughly experienced and competent Assistant for good-class Retail country business; must be keen Buyer and Salesman, courteous, and trustworthy. Liberal salary offered. Applications, giving full particulars as to age, qualifications, experience, and wages required, with copies of two recent testimonials, to C. Bayley, Pharmacist, Uppingham, Rutland.

WANTED, Assistant; outdoors; for two or three months. Apply, stating age, salary required, and give references, 162/8, Office of this Paper.

WANTED, lady Assistant (outdoors). B. L. Workman, 9 Church Lane, Leytonstone.

WANTED, lady Dispenser; surgery hours 9 to 12, 2 to 4, and 6.30 to 8, no Sunday duty. Apply, stating experience and copies of testimonials, to Drs. Wilson & Page, Penzance, Cornwall.

WANTED, qualified Locum (immediately) during illness of Manager; lady or gentleman. State salary expected and give references, Prossers, Ltd., 5 Bolton Road, Walkden, Manchester.

WANTED (urgently), a Junior Assistant, ineligible or discharged soldier, for good Retail and Dispensing business; no Sunday work. Apply Davy, Chemist, 30 High Street, Rotherham.

WANTED, qualified Assistant; easy hours, light duties, comfortable berth; please state salary required and references; suitable for elderly gentleman or discharged soldier. Apply 160/18, Office of this Paper.

WANTED for S.E. London, unqualified Assistant for cash trade, and accustomed to Counter and Window-dressing. State salary and experience, "Codex" (159/24), Office of this Paper.

WANTED, permanent qualified Assistant in a City Pharmacy; good references; state salary. Apply 151/26, Office of this Paper.

WANTED, a reliable Assistant (outdoors) in good-class Light Retail and Dispensing business. Apply, with particulars, to R. C. Davenport, Bromley Hill Pharmacy, Bromley, Kent.

WANTED, qualified gentleman or lady for management of Branch in small town near Derby; light pleasant business; easy hours. Applicants will kindly give references and full particulars in first letter to Craven, 18 Bridgehouses, Sheffield.

WANTED, help for a fortnight. Write, with usual particulars and terms, to Leverett & Frye, Ltd., North Finchley, N. 12.

YOUNG lady Dispenser, with Counter experience, required for Highgate district; must have Apothecaries' Hall qualification. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

WHOLESALE.

MANCHESTER house requires Laboratory Assistant with all-round experience; ineligible for military service. State full particulars as to experience, etc., 93/620, Office of this Paper.

MANCHESTER.—Chemist (ineligible) in an Essence Laboratory. Apply, with full particulars as to qualifications, experience, and salary required, to 93/26, Office of this Paper.

ANALYTICAL Chemist, Lady or Gentleman, experienced in analysis of Foods, etc., required as Assistant in important London Laboratory. Write, stating age, qualifications, experience, and salary expected, to "Foodanal," care Deacon's Advertising Offices, Leadenhall Street, E.C. 3.

ASSISTANTS and Counter Hands, male or female, required by Raimes & Co., Wholesale Druggists, York, in the Wet Room and all departments; discharged soldiers or other ineligible men, or females, all with knowledge of the trade. Apply as above, with full particulars, salary required, etc.

CHEMIST or expert Pill-maker to take charge of manufacture on large scale of sugar-coated pills. Apply 97/44, Office of this paper.

COMPRESSED Tablet Department.—Working Foreman required to take full charge; good wages; Lancashire. "Tablets," 96/16, Office of this Paper.

DRUGS and Surgical Tools.—Experienced Saleswoman required at once for Counter; good wages and commission to suitable applicant. Apply, personally or by letter, to Staff Manager, Harrod's, Ltd., Hans Crescent, S.W

INVOICE Clerk (male or female) wanted at once; must have had experience in the Wholesale; state wages and experience. Apply 163/70, Office of this Paper.

LABORATORY Assistant for manufacture of Toilet preparations, must have a good elementary knowledge of the Drug trade, and be ineligible for H.M. Services. Write, stating age, experience (if any), and salary required, to Box 486, c/o Mitchell's Advertising Agency, 1-2 Snow Hill, E.C. 1.

LABORATORY Assistant required (at once); experienced in making Vanishing Cream and other Toilet preparations; good prospects for a man of ability and not afraid of work. With full particulars of past employ, age, and wages required to 93/21, Office of this Paper.

LEDGER Clerk (male or female) required at once; good conditions and wages; knowledge of Drug trade desirable. Apply, stating age and salary required, to Goodall, Backhouse & Co., Leeds.

MAN or youth wanted, with experience in making Galenicals. J. Woolley, Sons & Co., Ltd., Laboratories, Knowsley Street, Cheetham, Manchester.

TABLET MAKER.—Capable man (ineligible for Army) or woman required for working rotary tablet machine; good salary; state experience. Write "Chem.," c/o Frost Smith & Co., 66 Finsbury Pavement, E.C. 2.

TYPIST-BOOKKEEPER required, with experience in Wholesale Druggists' business. Apply, stating full particulars and salary required, to Modern Pharmacals, 48 Mortimer Street, W. 1.

UNDER-WAREHOUSEMAN, with thorough knowledge of Drug trade essential; preference given to one with previous experience; good opportunity for capable man. Apply 97/24, Office of this Paper.

WANTED, Packer. Apply Potter & Clarke, Ltd., 60/64 Artillery Lane, E.

WHOLESALE Pill Makers wanted; one accustomed to Colton's automatic machine; another for hand-made small private formulæ; knowledge of coating unnecessary. Apply, stating age, wages, and previous experience to Standard Tablet Co., Ltd., Hove.

WANTED (immediately) by large Wholesale house, thoroughly experienced Drug Invoice Clerks; must be ineligible for military service; state age, experience, and salary required. Apply "P." (96/17), Office of this Paper.

WANTED, Laboratory Assistant, with experience in making Galenicals and Pharmaceutical preparations; also able to sharpen and repair Surgical Instruments. Apply to the Secretary, Great Northern Central Hospital, N. 7, stating age and salary required, together with references.

WANTED, a Manager for Instrument Department; good knowledge of fitting, etc.; must either be over military age or ineligible. Apply to R. Sumner & Co., Ltd., Wholesale Druggists, Liverpool.

WANTED (at once) by London Wholesale firm, Drug Checker (male or female); also Wet Counter hand; permanent positions. Apply 163/7, Office of this Paper.

WANTED by Provincial Wholesale Drug House, experienced Man for Compounding Room; qualified Pharmacist preferred, but not essential. Good opening for discharged soldier who does not wish to return to retail. Apply, with full particulars of experience, salary asked, etc., to 97/20, Office of this Paper.

WANTED by a London House in Bottle Department, a man with experience of keeping stock of Druggist's bottles; must have had good practical experience. Apply by letter, stating age and wages required, to "Bottle Department," 97/120, Office of this Paper.

WANTED (at once) by a London House, experienced Laboratory Assistance for the manufacture of Galencials. Apply, stating age, exemption, and salary required, to "Cascara," 97/12, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

RANGOON.—E. M. de Souza & Co. require qualified Assistant; ineligible; about 25; salary 300 rupees per month 325/350; three years' agreement; good prospects; passage paid out and home. Apply E. M. de Souza & Co., 44 Holborn Viaduct, E.C. 1.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid

[HOME.]

RETAIL.

ADVERTISER seeks position as Junior; state salary; ineligible. "Taraxacum," 58 Essex Road, Willesden.

AS Locum or permanency; excellent references; all-round experience. Apply 164/30, Office of this Paper.

DISENGAGED R.A.M.C., middle-age, desires light post outside London. "Squills," 152 Sheringham Avenue, Manor Park, E. 12.

DISPENSER, Doctor's or Druggist's; disengaged immediately; experienced; ineligible. "C. S.," c/o Wyatt, 58 Gipsy Hill, S.E.

DISPENSER; in- or out-door; abstainer; reliable; good references; disengaged. 165/35, Office of this Paper.

DISPENSER (Lady), Hall qualification, chemist and two years' hospital experience, requires post in or near London. Institution or Doctor preferred; state salary; references. Davies, 4A Harbledown Road, Fulham.

DOCTOR'S Wife, Hall qualification, wishes post as Dispenser Birmingham neighbourhood preferred; full or part-time. Apply 160/20, Office of this Paper.

EXPERT Dispensing; 3 evenings a week. Apply 161/39, Office of this Paper.

HALL-qualified Woman Dispenser desires post; Doctor or Institute preferred; experienced; quick. Apply 161/35, Office of this Paper.

HOME County Pharmacist.—Pharmacist engaged City, free evenings, experienced, responsible, exempt, offers part-time services to pharmacist in small town, Bucks, Herts, Berks, Middlesex, in exchange for accommodation for self and wife in unfurnished flat or house over shop; must be near main-line station; G.C., Metro., G.W., or L.N.W. Apply Box 163/16, Office of this Paper.

HOSPITAL Dispenser; locum; qualified; disengaged June 17th. Irving, 66 Rowfant Road, Balham.

IMMEDIATELY.—Disengaged, qualified Man requires situation; Dispenser, Assistant, or Manager London or country; no objection temporary appointment in good-class business; photography. Apply 164/27, Office of this Paper.

LADY, experience with Doctor and Chemist, desires part-time post. "E.," "Hambledon," Merton Hall Road, Wimbledon.

LADY Dispenser, pharmaceutical qualification and gold medallist, seeks post Surrey or Sussex; Doctor or Institution; eight years' experience; keen, careful, methodical; excellent testimonials; interview. "Hanna," Green End House, Boxmoor, Herts.

LADY Dispenser, 32, Hall qualification 1912, desires post with a Doctor; part-time or relief work not objected to; doctor's references. Address "N. W.," 8 Tennyson Mansions, Queen's Club Gardens, W. 14.

LADY Dispenser desires post; Hall qualification; at liberty end of June. 164/32, Office of this Paper.

LADY Shorthand Typist, two years' experience Chemical trade, knowledge of languages, reliable, seeks position in first-class Chemical business. Apply 161/1, Office of this Paper.

LADY Dispenser-Bookkeeper, Hall qualified, desires post with Doctor near London; excellent references. Miss Lukin, The Rest, Brockenhurst.

LADY Dispenser; Hall qualification; some experience; wants part-time dispensing with Chemist or Doctor. Miss Learmount, 128 Pinner Road, Watford.

LADY Dispenser, Hall certificate, requires post (not Chemist); South of England preferred. Apply Allanson, 1 Church Cottages, Pyecombe, Sussex.

LADY Dispenser (Hall) requires fortnight's Locum from July 3; Doctor or Institution; coast or country preferred; excellent testimonials. 162/11, Office of this Paper.

LADY Dispenser, qualified and experienced, requires post with Doctor; South-West of England preferred. Apply 162/19, Office of this Paper.

LOCUM; 51; experienced town and country; abstainer; disengaged 8th inst.; booking forward. "Denter," 162/36, Office of this Paper.

LOCUM; qualified; ineligible; long experienced; Pharmaceutical and Hospital; vacant dates June 24th to July 26th. Smith, 104 Katherine Road, East Ham, 6.

LOCUM wanted by Lady Dispenser (experienced) for month August; seaside or country; Doctor or Hospital. Apply soon, Morris, 42 Bromley Road, Beckenham.

LOCUM; competent all branches; 41½; married; unregistered; highest references; N.H.I. qualification; conditional exemption; Grade III.; vacant July 15th to August 10th, August 19th to 24th; dates inclusive. "Statim," 135 Queen Street, Newton Heath, Manchester.

LOCUM-TENENS; disengaged June 7 to 17; experienced. "L. T.," 51 Herbert Street, Aberdare, S. Wales.

M.P.S. seeks post as Covering Manager and Supervisor; with light duties; London and Provincial experience; elderly; active; reliable. 71 Belmont Road, Bishopstone, Bristol.

MANAGER (temporary); ineligible; competent; reliable; abstainer; disengaged; highest references. "J. S.," 139 Linthorpe Road, Middlesbrough.

MANAGER and Buyer; highest credentials; good salary. Full particulars to "James," 161/38, Office of this Paper.

MANAGER or Senior; unqualified; good experience; disengaged; Home Counties; married; no family. Chemist, 10 New Street, Falmouth.

MANAGER; qualified; experienced; Grade 3; Midlands preferred. Apply 160/19, Office of this Paper.

MANAGER; qualified; over military age; disengaged; little or no N.H.I. dispensing; photography. Fifty miles of London preferred, not essential. Pharmacist, 90 Andover Street, Sheffield.

MANAGER; qualified; married; London or near; good-class business; no N.H.I. Apply 163/34, Office of this Paper.

OCCASIONAL RELIEF.—W. O. Smith offers his services from 10.30 a.m. to 8.30 p.m.; Portsmouth and district. Address Charlfred, Fareham.

PART-TIME.—Two or three days a week or as arranged; good salesman; any class of trade; thoroughly experienced; aged 39; unregistered. 163/230, Office of this Paper.

QUALIFIED Locum; branch or part-time. Chemist, 34 Worrington Road, Westbourne Park, W.

QUALIFIED married gentleman seeking change, with future prospects; 44; graded 3, physique small, abstainer, trustworthy, hard worker, capital references; country town or seaside South, with succession preferred; good home conveniences; disengaged end July. Miller, Chemist, Alton, Hants.

QUALIFIED Manager seeks change; thoroughly capable; abstainer; country town; Midlands preferred; outdoors; berth carrying low-category exemption. Apply 160/16, Office of this Paper.

QUALIFIED, 46, seeks berth Liverpool vicinity; temporary, permanent; good experience; disengaged. 165/28, Office of this Paper.

QUALIFIED, 45; two or three days weekly. "Pharmacist," 9 Claverton Street, S.W.

UNQUALIFIED, 22, ineligible, seeks temporary berth; July 8th to end August; full particulars first letter. Davies, 2 Park Villas, Weston-super-Mare.

UNQUALIFIED; 24; Grade III.; 9 years' good-class experience; disengaged; Provincial; state salary offered and hours, etc. 162/1, Office of this Paper.

UNQUALIFIED, reliable Abstainer; all-round experience; Cumberland or North Lancashire. Apply 152/15, Office of this Paper.

UNQUALIFIED Manager or Senior Assistant; discharged Army; London and country experience; married. Apply, stating salary, etc., "G.," 31 Duke Street, Littlehampton, Sussex.

WHO requires an Assistant Dispenser, Grade III.; 32; married; N.H.I. qualification; competent all branches; highest references; Derby, Nottingham, Leicester, anywhere Midlands. "Reliable," 164/15, Office of this Paper.

WOMAN Pharmacist; 6 years' hospital and private practice experience; free June 15th; please state hours and salary. "Pharmacist," Victoria Children's Hospital, Hull.

YOUNG Lady requires post as Dispenser at once; only college experience; North of England preferred. G. Crabtree, "Glencoe," Edge Lane, Stretford, Manchester.

WHOLESALE.

ADVERTISER (young) seeks position in London; practical experience; capable Manager; ineligible. Apply 154/37, Office of this Paper.

AS Town Representative; whole or part-time; exempt; some connection; Drug or allied trades. Address "Radior" (161/6), Office of this Paper.

AS TRAVELLER.—Energetic and experienced young lady, of good appearance and address, calling on Chemists, Hairdressers, and Generals (specially well up in Toilet preparations, and good connection in Brighton and surroundings), would like to hear of an engagement as Traveller for the South Coast, against expenses, small salary, and commission. Apply "Traveller," 45 Edward Street, Brighton, Sussex.

GENTLEMAN, thoroughly alive to the wants of chemists, would represent Drug House; highly successful salesman; excellent references; salary secondary consideration. Address "Tenacity," 164/12, Office of this Paper.

QUALIFIED Chemist, 10 years' successful outdoor Salesmanship, would represent good Drug house; interview desired. "S.," 122 Addison Way, Hampstead, N.W. 4.

REPRESENTATIVE; successful business builder in Medical and Pharmaceutical fields; large connection; South of England and London; age 39; discharged from Army. 163/23, Office of this Paper.

REPRESENTATIVE, with thorough knowledge of Chemicals, Drugs Sundries, etc., is open to engagement to call upon Chemists, Doctors in South and South-Eastern Counties. Apply "Aspirin," 12 Mountfield Road, Tunbridge Wells, Kent.

TRAVELLER, 20 years on road, unique connection South Scotland, North England, Lancashire, North Wales, and Ireland, desires engagement or commissions; excellent references. 161/40, Office of this Paper.

WORKS Chemist requires responsible position. Fine chemicals; drugs; oils; waxes; essences; extracts; knowledge of modern manufacturing methods and plant; expert analyst and assayer; accustomed to control. 163/20, Office of this Paper.

SITUATIONS WANTED.

(Colonial, Indian and Foreign.)

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

QUALIFIED Chemist (33), ineligible, home and Continental experience in management, excellent references, seeks position South of France or Italy. Address "Chemist," 3 Rue de Blainville, Paris, 5i ème.

MISCELLANEOUS.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition: we shall be pleased to supply particulars and prices Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

SALE 150 cases, containing 3 dozen 2 lb. lever top Carbide Tins, in good condition; accept best offers. Thomas Horton, Merthyr Tydvil.

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WHITE ABSORBENT COTTON WOOL (interleaved) in 1 lb. rolls, at **2/2** per lb.
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BORACIC LINT, in 1 lb. rolls, at **2/8** per lb.

Packed in 1 cwt. Bales. Bales charged extra, 3/6 each.

Also packed in 56 lb. bales of each at 2/2½, 3/9½, 2/8½ respectively,
" " 28 lb. " " 2/3, 3/10, 2/9 "

Carriage paid on 56 lb. Bales 2/6 & 1/6 each. Cheque with Order.

Bales must be paid for, and allowed for when returned.

THE PRIMO DRUG CO., 5 Bury New Road, Manchester.

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Watsons, Sheffield

All sizes, full wholesale price allowed for No. 2 Brownie, Vest Pocket Kodak, and No. 1 Brownie Spools.

Also Spools for Ensignette and Ticka Cameras, Film Packs all sizes, and Ensign or Wellington Films.

We will buy out-of-date films if not too old.

Don't keep anything photographic on your shelves.

If the area you live in is restricted, or your business quiet, pack all your photographic goods off to us. We'll buy them and see that you are not the loser.

Wanted CAMERAS of all kinds. Two-thirds retail offered for **Vest Pocket Kodaks** with R.R., or better, lenses, **Watch Pocket Carbines, No. 2 Folding Brownies, No. 1 Junior Kodaks** with R.R., or better, lenses, **Brownie and 3½-in. Developing Tanks.**

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"Many thanks for postal order to hand yesterday. I must say that you have been most courteous and straightforward over this matter. Indeed, I cannot conceive of a firm being more straightforward than yourselves." H. H. E.

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"I am in receipt of your letter and cheque, value £5, in payment for camera; and I am greatly obliged by the prompt and liberal treatment I have received in the matter." C. W.

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Telephone No. 27.

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One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6*d*.

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DRUGS AND CHEMICALS.

WHAT offers? 24 × 1 lb.; 60 × 2 lb., 24 × 4 lb. S.C. Malt and Oil Jars. Walton, 427 Bury New Road, Manchester.

BEST offers wanted for 2 lb. Ol. Lavand. Mitcham, Old, Meggeson's, sealed, very fine; 1 lb. Ol. Fœniculi Ang.; 2 oz. Butyl Chloral Hydrate. Fitt, Chemist, The Cross, Elland.

WHAT offers? Two dozen each large Hunyadi and Apenta; perfect condition; Carr. forward. Two doz. bottles Sulphonal tabs., gr. v., each containing 25. Knott, Ashbrook Road, Upper Holloway, London.

30 GR. Atropine Sulph., 10*s*. 6*d*.; 1 oz. Guaiacol Pur., 7*s*. 6*d*.; 2 oz. Pulv. Opii Turc., 10*s*.; 2 gross Creosote Capsules m. 2, what offers? 60 oz. Aqua Mellis, 30*s*. Reidy, Chemist, Cahirciveen.

OFFERS, lbs.: 14 Shellac, 7 Senn. Tinn., 4 Hops, 14 Cloves, 7 T. Camph. Co., 6 Lin. Ac. M., 7 Syr. Codeinæ, 1 Lin. Opii, 5 Tinc. Opii Aq., 1 Glyc. Bellad., 5 Vin. Ipec., 5 Inf. Aurant. Cono., 10 Inf. Gent., 4 Liq. Bism. c. Opio, 4 Spt. Am. Co., 10 Mist. Bromo. Val. Co., 8 Lin. Bellad. M., 5 Zinc. Sulph., 5 Sacch. Lact. P., 3 Bis. Carb., 5 Gals. Ol. Oliv. Opt.; 8 pt. Cane Seltzogene, 7 Dextrine.—Hacking, Ph.C., Eskrich Street, Bolton.

MISCELLANEOUS.

21 GROSS Strawboard Boxes, 7¼" × 2¾" × 1¼". Box covered white enamel and lined; lid full size, not covered; cornered with paper. Hugh Marshall & Co., Ltd., York Road, Belfast.

WHAT offers? 9 × 12 centimeter Photo Plates, fresh; handsome nested set Brass Troy Weights; Schering's Piperazine, ounce; Fer Bravais; two new Watson's Microscope Lenses, ½ and 1 inch, or complete with stand. Stonelake, Chemist, Guernsey.

GILLETTE Razor (celluloid), 15*s*.; 3 packets Valet Blades, 5*s*.; Martindale's, 15th edition, 15*s*.; 4 Clinicals, 10*s*.; 2 Nickel Flash Lamps, 5*s*.; B.P., 8*s*. "X.," 163/19, Office of this Paper.

TABLET Machine.—Advertiser is willing to exchange a Wilkinson's Standard Tablet Machine for value in smaller Tablet Machines, hand or power, or to purchase a few small machines. Box 162/23, Office of this Paper.

WANTED.

SACCHARIN Tablets and Powder. Offers to "X." (156/18), Office of this Paper.

⅝ CHAS. HOY'S Castor Oil; Glycerin, quantity and price. 164/8, c/o Office of this Paper.

WANTED, Soda Fountain; any size; good condition. Reply Box 164/17, Office of this Paper.

NATIVELLES' Digitalin Granules; either strength; state price. 163/27, c/o Office of this Paper.

SANTONIN wanted; state quantity and price. Apply Box 97/45, Office of this Paper.

SMALL round Ointment Tins, in large or small quantities; send sample with prices. Address 156/35, Office of this Paper.

TABLET Machine wanted for ¼ inch tablets if possible; "Eureka"; state price. Apply 78/46. Office of this Paper.

TINS to hold anything between 6 and 16 oz.; flat shape preferred. Floyd, 75 Cambridge Street, Glasgow.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

ARSENIC, impure, wanted; large or small lots. Quote price, Butcher, Curnow & Co., Ltd., Blackheath.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

WANTED, two Kodak Developing Tanks, 3½ × 2½; new or second-hand. Offers to Coats & Co., Chemists, Edinburgh.

VEST Pocket Kodak Enlarger. For disposal, V.P. Kodak with 6.9 Anastigmat Kodak Lens. Ritchie, Chemist, Montrose.

SODIUM Glycerophosphate, 50 per cent. Please state quantity available and lowest price for cash. Lynwood & Co., 71 High Holborn, London, W.C. 1.

MULTUM in Parvo Mints; also curiously strong ditto and best Brompton Hospital Lozenges; any quantity from 1 lb. to 1 ton. State price to 162/9, Office of this Paper.

DRAWERS, suitable for wholesale flower seed warehouse; also Counter and Drawers for vegetable seed warehouse; second-hand if sound. Please state particulars as to size and price to 94/61, Office of this Paper.

DIOXOGEN; any size; Vapo Cresolene; for cash. Could exchange Sacch. Lact. Ol. Ricini, Butyl Chloral, etc. Also wanted Pond's Vanishing Cream, Cuticura Soap, Sloan's, Benger, etc. Roper, Chemist, Dunmow.

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SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eye-glass Frames, Artificial Eyes and Barometers. State quantity, condition, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

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Sugar Substitute for Jam Making, &c.

CHEMIST, ATTENTION !

1 oz. of Shugow equals 1 lb. of Sugar, about 16 times sweeter than Sugar. One pinch sweetens cup of tea, &c.

SHUGOW

Good for CAKES, PUDDINGS, ICE CREAM, PASTRY, JAM, &c.

One teaspoonful equals 2 oz. of Sugar. **8d.** a packet. Try one, you will be delighted. Sells like hot cakes! 3 doz. **22/-**, 6 doz. **42/-**, 1 gross **£4.** Cash with order. Carriage paid.

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1/4	**Aquaperia** (Harrogate) ... ... (Carriage paid 2 dozen and up).	1/4	10/- 9/6 by 6 doz.
No.	**Luce's**		
27 1 oz.	Eau de Cologne & Lavender Water	1/3	12/-
1 2 "	" " " "	2/6	23/-
3 4 "	" " " "	4/9	44/-
5a 8 "	" " " "	9/6	87/-
12 12 "	" " " "	14/-	130/-
16 16 "	" " " "	18/9	170/-
20 20	" " " "	24/-	210/-
400 Wicker	" " " "	5/9	54/-
1000 "	" " " "	13/9	123/-
2000 "	" " " "	25/-	220/-
30 Flask	" " " "	2/6	23/-
1/9	**Sanatogen**	1/9	16/10
2/9	"	2/9	26/-
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9/6	"	9/6	86/6

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